

Converting Colors

XYZ(75.4030, 90.2538, 90.7110)

Have a look what the booklet for
XYZ(75.4030, 90.2538, 90.7110)
contains.

XYZ(75.3698, 90.2406, 90.5366)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.3698, 90.2406,
90.5366)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE9
RGB	204, 255, 233
RGB Percent	80%, 100%, 91%
CMY	0.2000, 0.0000, 0.0863
CMYK	0.20, 0.00, 0.09, 0.00
HSL	154°, 100%, 90%
HSV	154°, 20%, 100%
XYZ	75.3698, 90.2406, 90.5366
YIQ	237.2430, -23.3340, -17.6540

Conversions

Conversions Part 2

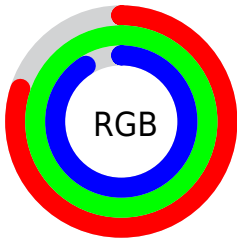
Format	Color
R _Y B	204, 237, 255
Decimal	13434857
CIE Lab	96.10, -20.38, 5.20
CIE LCh	96, 21.032, 165.684
Yxy	90.2406, 0.2942, 0.3523
Android (android.graphics.Color)	4291624937 (0xFFCCFFE9)
YUV	237.2430, -2.0918, -29.1541
Hunter-Lab	94.9951, -24.6181, 9.9892

Details

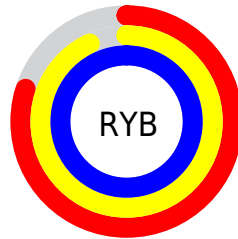
The XYZ color **75.3698, 90.2406, 90.5366** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.5608, 69.9376, 81.4156**, and the grayscale version is **80.7116, 84.9148, 92.4723**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5243, 49.9521, 49.1008** is the 20% darker color. If you saturate the color by 10%, you get **67.4206, 86.3185, 82.2167**, and if you desaturate by 10%, it is **84.5628, 94.7924, 99.4289**.

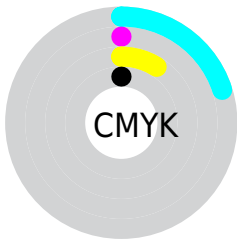
Distribution



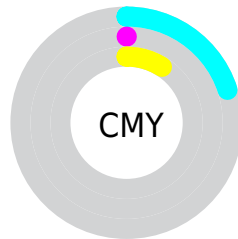
- Red (80%)
- Green (100%)
- Blue (91%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.3698, 90.2406, 90.5366 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.3698, 90.2406, 90.5366 by changing the saturation by 10% instead.


 75.3698, 90.2406,
90.5366

 75.3698, 90.2406,
90.5366

468.1653,
528.8132, 550.3899

 56.2111, 68.1802,
67.8496


125.8208,
147.6726, 150.0256

 40.6099, 50.0444,
49.3094


157.8439,
183.8129, 187.6646

 28.2007, 35.4486,
34.4977


194.8857,
225.4154, 231.1246

 18.6182, 24.0087,
22.9957

237.3118,
272.8643, 280.8243

 11.4971, 15.3401,
14.3851

285.4875,
326.5442, 337.1821

 6.4720, 9.0584,
8.2472

339.7780,

 3.1775, 4.7793,

386.8394, 400.6167

4.1635

400.5488,
454.1343, 471.5464

■ 1.2483, 2.1184,
1.7155

■ 0.1440, 0.6749,
0.3713

■ 75.3698, 90.2406,
90.5366

■ 75.3698, 90.2406,
90.5366

■ 67.4206, 86.3185,
82.2167

■ 84.5628, 94.7924,
99.4289

■ 60.6555, 82.9958,
74.4530

95.0500, 100.0000,
108.9000

■ 55.0131, 80.2410,
67.2344

■ 50.4255, 78.0192,
60.5480

■ 46.8169, 76.2917,
54.3803

■ 44.1009, 75.0141,
48.7166

■ 42.1746, 74.1336,
43.5415

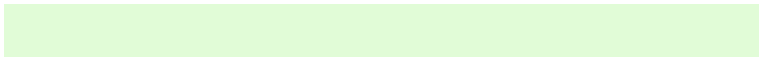
■ 40.8714, 73.5645,
38.8359

■ 40.8713, 73.5645,
38.8356

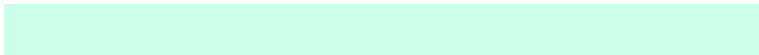
Harmonies

Analogous

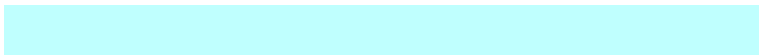
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0042, 90.2406, 77.5078



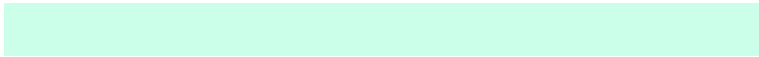
75.3698, 90.2406, 90.5366



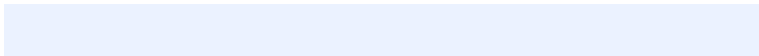
75.4333, 90.2406, 107.1856

Triad

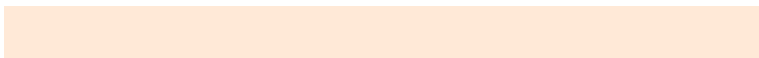
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.3698, 90.2406, 90.5366



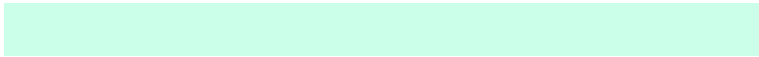
88.8345, 90.2406, 132.4876



93.8360, 90.2406, 77.0464

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.3698, 90.2406, 90.5366



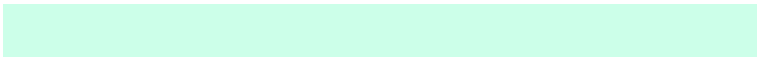
76.5608, 69.9376, 81.4156

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.0124, 90.2406, 89.8379



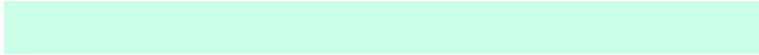
75.3698, 90.2406, 90.5366



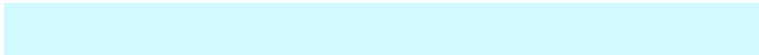
94.0369, 90.2406, 122.4127

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



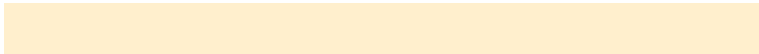
75.3698, 90.2406, 90.5366



83.0312, 90.2406, 132.7296



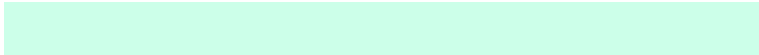
97.0876, 90.2406, 106.4036



88.5704, 90.2406, 70.3380

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



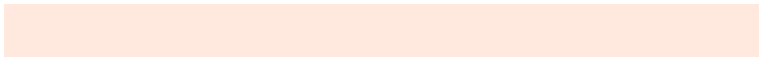
75.3698, 90.2406, 90.5366



76.9915, 90.2406, 118.1803



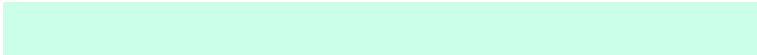
97.0876, 90.2406, 106.4036



95.1938, 90.2406, 80.7084

Sweetspot

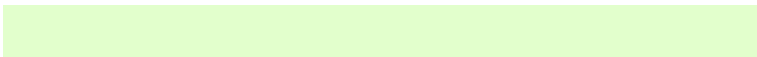
The Sweet Spot groups the original color and five complimentary colors.



75.3706, 90.2409, 90.5380



88.5989, 96.7950, 103.1466



78.0550, 92.0648, 70.7843



18.8197, 20.6466, 21.9463



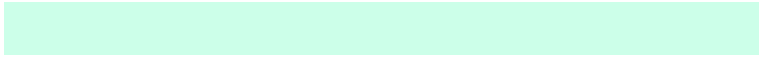
0.0000, 0.0000, 0.0000



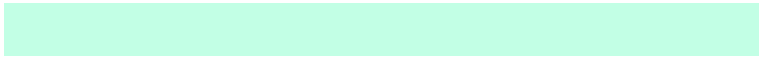
20.3446, 21.4041, 23.3091

Same Dimension

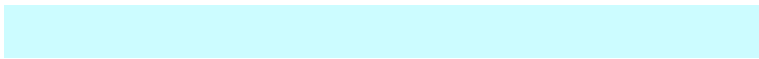
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3706, 90.2409, 90.5380



72.0441, 88.5978, 87.1412



77.6373, 89.4275, 107.7771



18.2044, 20.3413, 21.3792



21.4325, 38.4696, 20.6945



2.1416, 3.7676, 2.3036

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



76.5608, 69.9376, 81.4156



73.4319, 64.9324, 76.5111



74.5496, 70.4403, 66.7951



18.3347, 18.1172, 20.3795



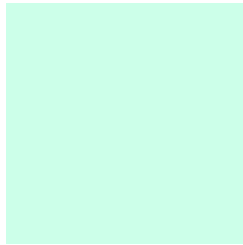
23.0907, 11.7256, 9.1281



2.3018, 1.1631, 1.1706

Previews

White Background



This preview shows how the XYZ color 75.3698, 90.2406, 90.5366 looks on a white background.

Color Contrast Check

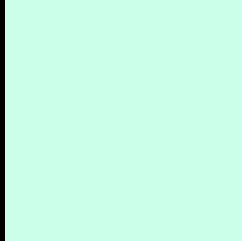
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.3698, 90.2406, 90.5366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

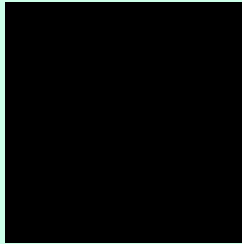
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

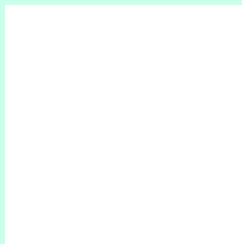
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.3698, 90.2406, 90.5366

Background



This preview shows how black text looks on a background with the XYZ color 75.3698, 90.2406, 90.5366.



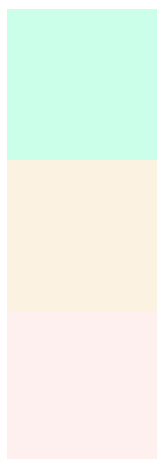
This preview shows how white text looks on a background with the XYZ color 75.3698, 90.2406,

90.5366.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.3698, 90.2406, 90.5366

Protanopia

85.2633, 89.5045, 84.7337

Deuteranopia

88.1283, 89.8714, 95.1401



Tritanopia

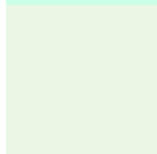
83.6389, 89.9545, 107.5625

Trichromacy



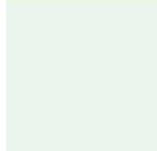
Original Color

75.3698, 90.2406, 90.5366



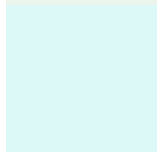
Protanomaly

81.3353, 89.6711, 87.1502



Deuteranomaly

82.5305, 89.2521, 92.9983



Tritanomaly

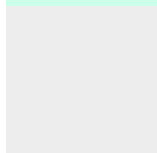
80.4830, 89.8389, 101.0944

Monochromacy



Original Color

75.3698, 90.2406, 90.5366



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.5423, 86.7650, 91.9646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3698, 90.2406, 90.5366 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 75.3698, 90.2406, 90.5366 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 255, 233) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 255, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3698, 90.2406, 90.5366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
255, 233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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