

Converting Colors

XYZ(75.8629, 90.4379, 93.1298)

Have a look what the booklet for
XYZ(75.8629, 90.4379, 93.1298)
contains.

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Color

**XYZ(75.8022, 90.4135,
92.8132)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFEC
RGB	204, 255, 236
RGB Percent	80%, 100%, 93%
CMY	0.2000, 0.0000, 0.0745
CMYK	0.20, 0.00, 0.07, 0.00
HSL	158°, 100%, 90%
HSV	158°, 20%, 100%
XYZ	75.8022, 90.4135, 92.8132
YIQ	237.5850, -24.2970, -16.7210

Conversions

Conversions Part 2

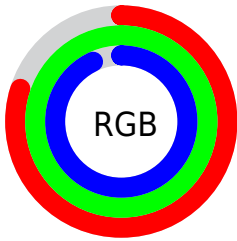
Format	Color
R_{YB}	204, 235, 255
Decimal	13434860
CIE _{Lab}	96.17, -19.80, 3.76
CIE _{LCh}	96, 20.157, 169.248
Yxy	90.4135, 0.2926, 0.3490
Android (android.graphics.Color)	4291624940 (0xFFCCFFEC)
YUV	237.5850, -0.7814, -29.4540
Hunter-Lab	95.0860, -24.1010, 8.6874

Details

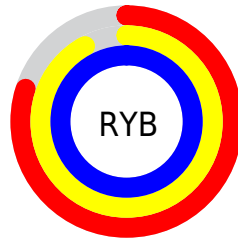
The XYZ color **75.8022, 90.4135, 92.8132** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1528, 69.7746, 79.2666**, and the grayscale version is **80.9663, 85.1828, 92.7641**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8267, 50.0730, 50.6933** is the 20% darker color. If you saturate the color by 10%, you get **68.0321, 86.5631, 85.4361**, and if you desaturate by 10%, it is **84.7917, 94.8840, 100.6335**.

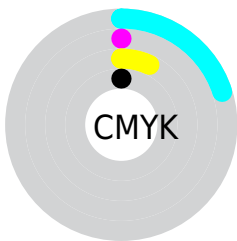
Distribution



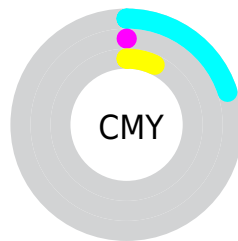
- Red (80%)
- Green (100%)
- Blue (93%)



- Red (80%)
- Yellow (92%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8022, 90.4135, 92.8132 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 75.8022, 90.4135, 92.8132 by changing the saturation by 10% instead.


 75.8022, 90.4135,
92.8132

 75.8022, 90.4135,
92.8132

469.6251,
529.3750, 557.9447

 56.5668, 68.3237,
69.7295

126.4291,
147.9126, 153.2094

 40.8963, 50.1611,
50.8306


158.5514,
184.0907, 191.3590

 28.4254, 35.5414,
35.6980


195.6999,
225.7336, 235.3676

 18.7887, 24.0802,
23.9132

238.2402,
273.2258, 285.6537

 11.6208, 15.3931,
15.0576

286.5375,
326.9517, 342.6360

 6.5564, 9.0958,
8.7128

340.9571,

 3.2301, 4.8037,

387.2955, 406.7329

4.4601

401.8646,
454.6419, 478.3629

■ 1.2766, 2.1326,
1.8810

■ 0.1656, 0.6828,
0.4806

■ 75.8022, 90.4135,
92.8132

■ 75.8022, 90.4135,
92.8132

■ 68.0321, 86.5631,
85.4361

■ 84.7917, 94.8840,
100.6335

■ 61.4221, 83.3024,
78.4892

95.0500, 100.0000,
108.9000

■ 55.9115, 80.6004,
71.9652

■ 51.4332, 78.4223,
65.8545

■ 47.9121, 76.7298,
60.1475

■ 45.2625, 75.4787,
54.8336

■ 43.3824, 74.6167,
49.9012

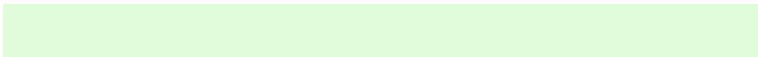
■ 42.1057, 74.0583,
45.3358

■ 42.1056, 74.0582,
45.3354

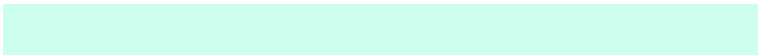
Harmonies

Analogous

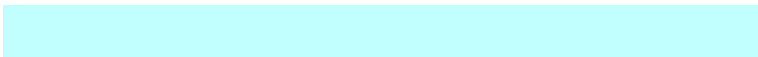
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0474, 90.4135, 79.6867



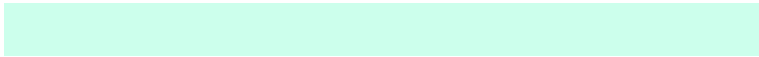
75.8022, 90.4135, 92.8132



76.1819, 90.4135, 108.9455

Triad

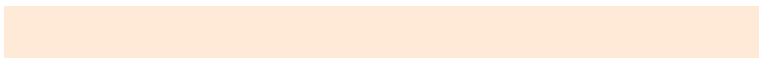
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8022, 90.4135, 92.8132



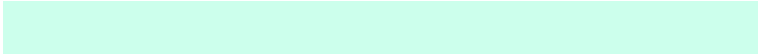
89.5276, 90.4135, 130.4605



93.1444, 90.4135, 76.9185

Complementary

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



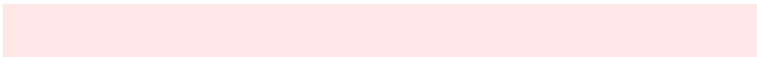
75.8022, 90.4135, 92.8132



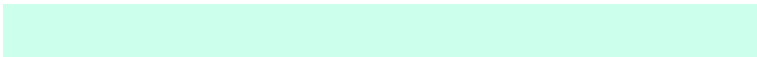
76.1528, 69.7746, 79.2666

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.



96.4876, 90.4135, 88.6418



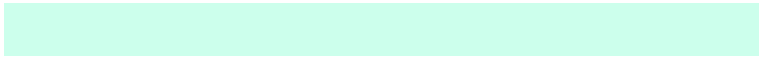
75.8022, 90.4135, 92.8132



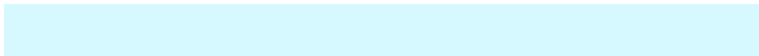
94.3376, 90.4135, 119.9376

Square

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



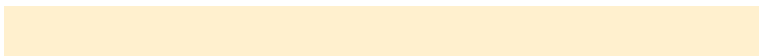
75.8022, 90.4135, 92.8132



83.9457, 90.4135, 131.8898



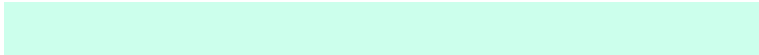
96.9335, 90.4135, 104.3000



87.9561, 90.4135, 71.1937

Rectangle

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



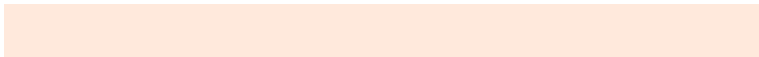
75.8022, 90.4135, 92.8132



77.8774, 90.4135, 119.2331



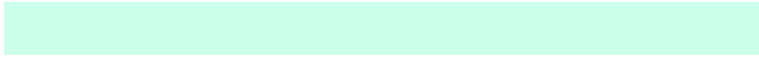
96.9335, 90.4135, 104.3000



94.5307, 90.4135, 80.2254

Sweetspot

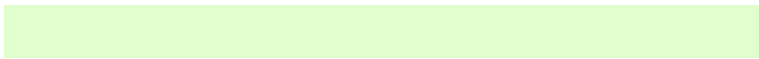
The Sweet Spot groups the original color and five complimentary colors.



75.8031, 90.4139, 92.8147



88.7392, 96.8511, 103.8854



77.2610, 91.6555, 70.7474



18.8528, 20.6598, 22.1210



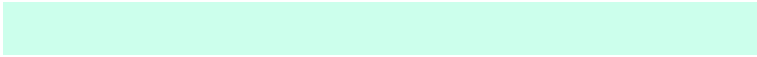
0.0000, 0.0000, 0.0000



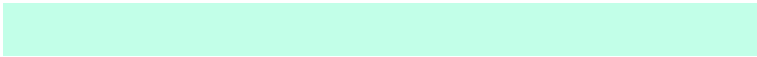
20.3446, 21.4041, 23.3091

Same Dimension

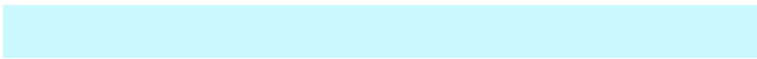
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8031, 90.4139, 92.8147



72.5509, 88.8005, 89.8102



76.8437, 87.8402, 107.5125



18.2510, 20.3599, 21.6250



22.0758, 38.7269, 24.0820



2.2024, 3.7919, 2.6234

Inverse Universe

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



76.1528, 69.7746, 79.2666



72.9596, 64.7435, 74.0238



75.1741, 71.6893, 67.0035



18.2892, 18.0990, 20.1401



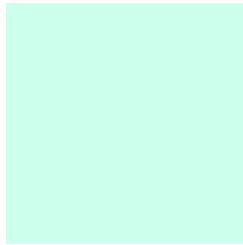
22.6940, 11.5669, 7.0393



2.2604, 1.1465, 0.9527

Previews

White Background



This preview shows how the XYZ color 75.8022, 90.4135, 92.8132 looks on a white background.

Color Contrast Check

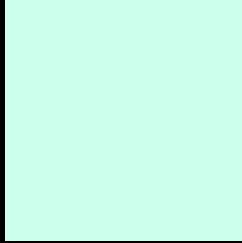
Large Text (above 18pt) WCAG AA × Fail

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 75.8022, 90.4135, 92.8132 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

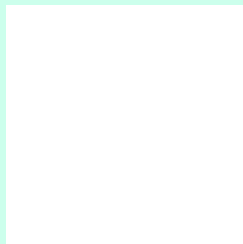
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8022, 90.4135, 92.8132

Background



This preview shows how black text looks on a background with the XYZ color 75.8022, 90.4135, 92.8132.



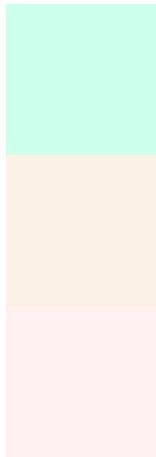
This preview shows how white text looks on a background with the XYZ color 75.8022, 90.4135,

92.8132.

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

75.8022, 90.4135, 92.8132

Protanopia

85.6786, 89.6706, 86.9212

Deuteranopia

88.4271, 89.9910, 96.7138



Tritanopia

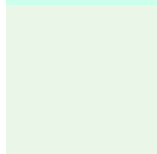
83.6389, 89.9545, 107.5625

Trichromacy



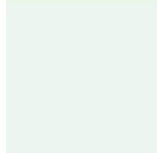
Original Color

75.8022, 90.4135, 92.8132



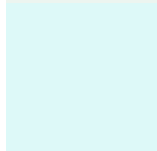
Protanomaly

81.7579, 89.8401, 89.3757



Deuteranomaly

82.9727, 89.4290, 95.3265



Tritanomaly

80.6378, 89.9008, 101.9095

Monochromacy



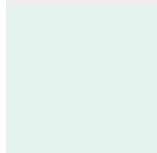
Original Color

75.8022, 90.4135, 92.8132



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.0008, 86.9845, 92.7467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8022, 90.4135, 92.8132 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 75.8022, 90.4135, 92.8132 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, 236) }
```


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

```
.border{ border-color:rgb(204, 255, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8022, 90.4135, 92.8132 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, 236) }
```

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

```
.background{ background-color: rgb(204,  
255, 236) }
```

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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