

Converting Colors

XYZ(97.4991, 134.6381,
102.9675)

Have a look what the booklet for
XYZ(97.4991, 134.6381, 102.9675)
contains.

XYZ(75.3076, 90.0906, 95.8582)	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(75.3076, 90.0906,
95.8582)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FFF0
RGB	200, 255, 240
RGB Percent	78%, 100%, 94%
CMY	0.2157, 0.0000, 0.0588
CMYK	0.22, 0.00, 0.06, 0.00
HSL	164°, 100%, 89%
HSV	164°, 22%, 100%
XYZ	75.3076, 90.0906, 95.8582
YIQ	236.8450, -27.9650, -16.3250

Conversions

Conversions Part 2

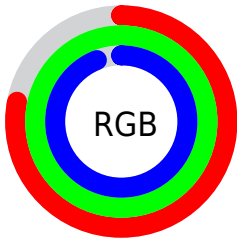
Format	Color
R_{YB}	200, 232, 255
Decimal	13172720
CIE _{Lab}	96.03, -20.24, 1.48
CIE _{LCh}	96, 20.292, 175.822
Yxy	90.0906, 0.2883, 0.3448
Android (android.graphics.Color)	4291362800 (0xFFC8FFF0)
YUV	236.8450, 1.5554, -32.3131
Hunter-Lab	94.9161, -24.4790, 6.5627

Details

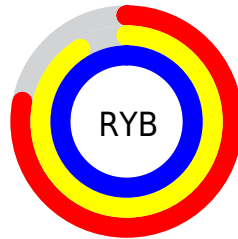
The XYZ color **75.3076, 90.0906, 95.8582** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1607, 67.4760, 73.4058**, and the grayscale version is **80.3806, 84.5667, 92.0931**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5229, 49.8686, 52.8372** is the 20% darker color. If you saturate the color by 10%, you get **68.0425, 86.4624, 90.2294**, and if you desaturate by 10%, it is **83.7499, 94.3211, 101.7517**.

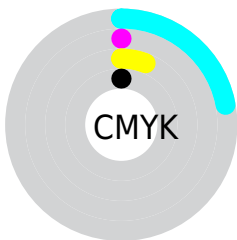
Distribution



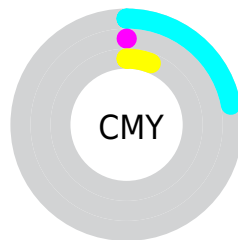
- Red (78%)
- Green (100%)
- Blue (94%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.3076, 90.0906, 95.8582 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 75.3076, 90.0906, 95.8582 by changing the saturation by 10% instead.


 75.3076, 90.0906,
95.8582

 75.3076, 90.0906,
95.8582


467.9551,
528.3255, 567.9631

 56.1600, 68.0558,
72.2486


125.7333,
147.4642, 157.4555

 40.5687, 49.9431,
52.8737

157.7420,
183.5718, 196.2803

 28.1684, 35.3682,
37.3149


194.7686,
225.1392, 241.0139

 18.5938, 23.9466,
25.1537

237.1782,
272.5506, 292.0748

 11.4794, 15.2940,
15.9716

285.3363,
326.1906, 349.8817

 6.4599, 9.0260,
9.3499

339.6083,

 3.1700, 4.7582,

386.4435, 414.8530

4.8702

400.3594,
453.6937, 487.4073

■ 1.2443, 2.1061,
2.1139

■ 0.1409, 0.6680,
0.6240

■ 75.3076, 90.0906,
95.8582

■ 75.3076, 90.0906,
95.8582

■ 68.0425, 86.4624,
90.2294

■ 83.7499, 94.3211,
101.7517


■ 61.8952, 83.4059,
84.8558


■ 93.4195, 99.1797,
107.9101


■ 56.8051, 80.8900,
79.7339

■ 95.0500, 100.0000,
108.9000

■ 52.7044, 78.8797,
74.8579

 49.5176, 77.3361,
70.2221

 47.1576, 76.2145,
65.8198

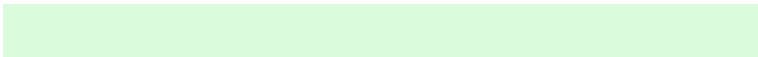
 45.5197, 75.4608,
61.6436

 44.5656, 75.0423,
58.2898

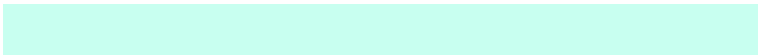
Harmonies

Analogous

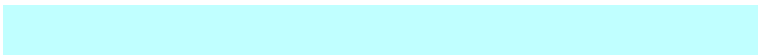
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0051, 90.0906, 81.7314



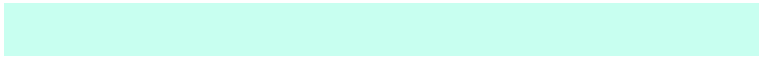
75.3076, 90.0906, 95.8582



76.2747, 90.0906, 112.1844

Triad

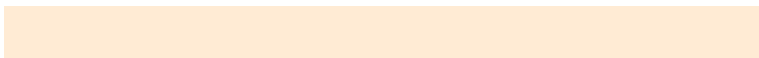
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.3076, 90.0906, 95.8582



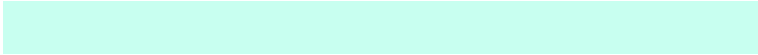
90.4167, 90.0906, 128.6353



91.8366, 90.0906, 74.6764

Complementary

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



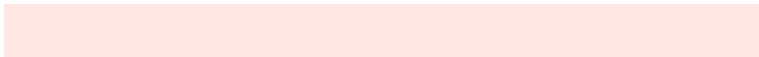
75.3076, 90.0906, 95.8582



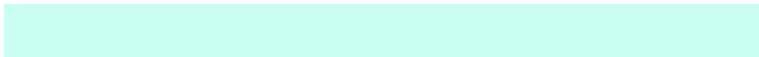
74.1607, 67.4760, 73.4058

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.



95.7172, 90.0906, 85.2346



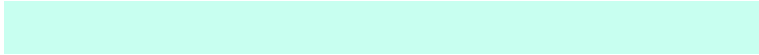
75.3076, 90.0906, 95.8582



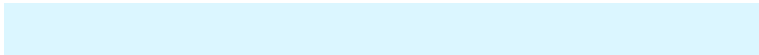
94.8726, 90.0906, 116.5050

Square

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



75.3076, 90.0906, 95.8582



84.8444, 90.0906, 132.2686



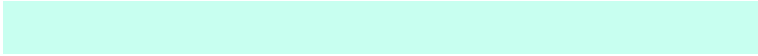
96.8516, 90.0906, 100.3630



86.4173, 90.0906, 70.3787

Rectangle

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



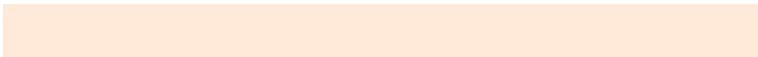
75.3076, 90.0906, 95.8582



78.3240, 90.0906, 121.9766



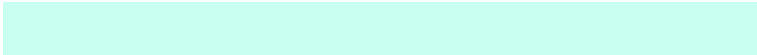
96.8516, 90.0906, 100.3630



93.3734, 90.0906, 77.5508

Sweetspot

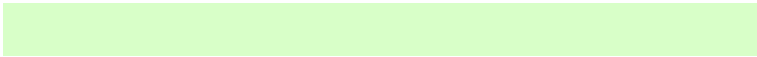
The Sweet Spot groups the original color and five complimentary colors.



75.3085, 90.0911, 95.8597



88.9788, 96.9470, 105.1473



74.3821, 90.2261, 68.1401



18.9096, 20.6825, 22.4197



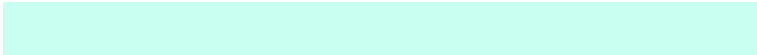
0.0000, 0.0000, 0.0000



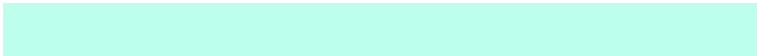
20.3446, 21.4041, 23.3091

Same Dimension

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



75.3085, 90.0911, 95.8597



71.9462, 88.4102, 93.3321



73.9458, 83.6511, 106.8567



18.3311, 20.3920, 22.0463



23.3525, 39.2376, 30.8054



2.3197, 3.8388, 3.2414

Inverse Universe

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



74.1607, 67.4760, 73.4058



70.6088, 62.0205, 67.1405



75.1888, 72.4765, 64.6716



18.2128, 18.0685, 19.7380



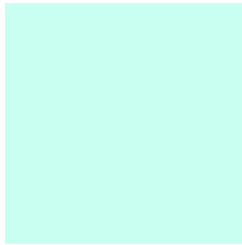
22.1721, 11.3581, 4.2909



2.2023, 1.1233, 0.6470

Previews

White Background



This preview shows how the XYZ color 75.3076, 90.0906, 95.8582 looks on a white background.

Color Contrast Check

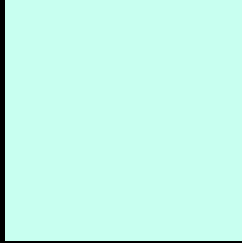
Large Text (above 18pt) WCAG AA × Fail

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 75.3076, 90.0906, 95.8582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

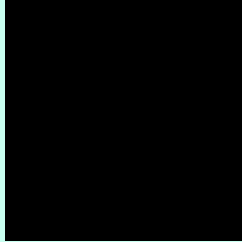
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

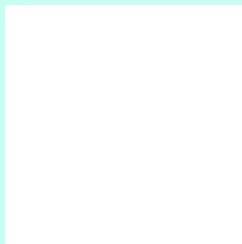
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.3076, 90.0906, 95.8582

Background



This preview shows how black text looks on a background with the XYZ color 75.3076, 90.0906, 95.8582.



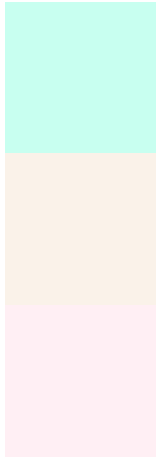
This preview shows how white text looks on a background with the XYZ color 75.3076, 90.0906,

95.8582.

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

75.3076, 90.0906, 95.8582

Protanopia

85.8845, 89.7114, 89.8802

Deuteranopia

88.4356, 89.5247, 98.2069



Tritanopia

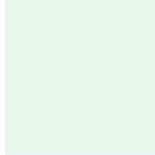
83.0007, 89.6255, 107.5326

Trichromacy



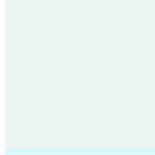
Original Color

75.3076, 90.0906, 95.8582



Protanomaly

81.6798, 89.7335, 92.3722



Deuteranomaly

83.0910, 89.4380, 97.6779



Tritanomaly

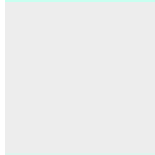
80.0444, 89.5589, 103.5103

Monochromacy



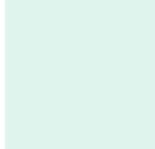
Original Color

75.3076, 90.0906, 95.8582



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.5238, 86.7217, 93.4892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3076, 90.0906, 95.8582 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(200, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 240)  
}
```

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(200, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 75.3076, 90.0906, 95.8582 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(200, 255, 240) }
```


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

```
.border{ border-color:rgb(200, 255, 240) }
```

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

Here you see how a box with a 4 pixel rgb(200, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3076, 90.0906, 95.8582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 240) }
```

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

```
.background{ background-color: rgb(200,  
255, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor