

Converting Colors

XYZ(50.0979, 77.5387, 74.6134)

Have a look what the booklet for
XYZ(50.0979, 77.5387, 74.6134)
contains.

XYZ(50.0979, 77.5387, 74.6134)	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(50.0979, 77.5387,
74.6134)**

Conversions

Conversions Part 1

Format	Color
Hex	45FFD4
RGB	69, 255, 212
RGB Percent	27%, 100%, 83%
CMY	0.7294, 0.0000, 0.1686
CMYK	0.73, 0.00, 0.17, 0.00
HSL	166°, 100%, 64%
HSV	166°, 73%, 100%
XYZ	50.0979, 77.5387, 74.6134
YIQ	194.4840, -97.0530, -52.8050

Conversions

Conversions Part 2

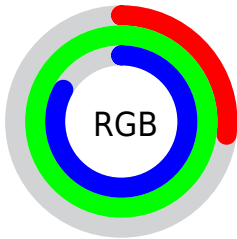
Format	Color
RYB	69, 174, 255
Decimal	4587476
CIELab	90.57, -55.46, 7.41
CIELCh	91, 55.952, 172.386
Yxy	77.5387, 0.2477, 0.3834
Android (android.graphics.Color)	4282777556 (0xFF45FFD4)
YUV	194.4840, 8.6354, -110.0495
Hunter-Lab	88.0561, -52.5438, 11.4005

Details

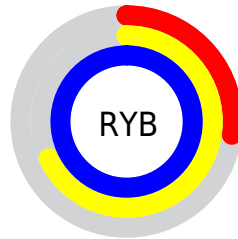
The XYZ color **50.0979, 77.5387, 74.6134** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.2936, 26.6872, 18.0422**, and the grayscale version is **51.5576, 54.2426, 59.0702**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **26.0521, 42.3668, 38.7028** is the 20% darker color. If you saturate the color by 10%, you get **47.9313, 76.5061, 70.7016**, and if you desaturate by 10%, it is **53.0698, 78.9832, 78.7074**.

Distribution



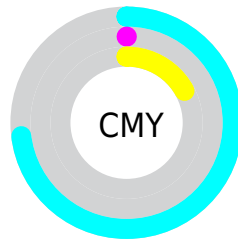
- Red (27%)
- Green (100%)
- Blue (83%)



- Red (27%)
- Yellow (68%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (73%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0979, 77.5387, 74.6134 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 50.0979, 77.5387, 74.6134 by changing the saturation by 10% instead.


 50.0979, 77.5387,
74.6134


 50.0979, 77.5387,
74.6134


377.4943,
486.5988, 495.8076


 35.7093, 57.6951,
54.7964


 89.5109, 129.8996,
127.5070


 24.3788, 41.5636,
38.8412


 115.2660,
163.1858, 161.4207

 15.7411, 28.7597,
26.3294


 145.5406,
201.7215, 200.8704

 9.4308, 18.8991,
16.8422

 180.7001,
245.8913, 246.2747

 5.0826, 11.5974,
9.9613

221.1099,
296.0796, 298.0519

 2.3311, 6.4702,
5.2680

267.1353,

 0.8105, 3.1330,

352.6706, 356.6209

2.3439

319.1416,
416.0489, 422.3999

■ 0.0000, 1.2016,
0.7557

■ 0.0000, 0.0630,
0.0000

■ 50.0979, 77.5387,
74.6134

■ 50.0979, 77.5387,
74.6134

■ 47.9313, 76.5061,
70.7016

■ 53.0698, 78.9832,
78.7074


■ 46.4597, 75.8287,
66.9612


■ 56.9332, 80.8842,
82.9850


■ 45.7293, 75.5077,
64.4178


■ 61.7659, 83.2816,
87.4526

■ 67.6361, 86.2107,
92.1148

 74.6060, 89.7035,
96.9761

 82.7328, 93.7893,
102.0403

 92.0696, 98.4956,
107.3115

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.3575, 77.5387, 45.5591



50.0979, 77.5387, 74.6134



51.4961, 77.5387, 117.3378

Triad

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



50.0979, 77.5387, 74.6134



84.4376, 77.5387, 177.7072



91.3876, 77.5387, 36.8831

Complementary

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



50.0979, 77.5387, 74.6134



46.2936, 26.6872, 18.0422

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.



101.5095, 77.5387, 58.3280



50.0979, 77.5387, 74.6134



97.1557, 77.5387, 140.7924

Square

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



50.0979, 77.5387, 74.6134



70.1870, 77.5387, 186.2702



103.7440, 77.5387, 95.0643



77.3246, 77.5387, 28.7315

Rectangle

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



50.0979, 77.5387, 74.6134



55.5424, 77.5387, 147.8232



103.7440, 77.5387, 95.0643



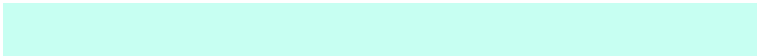
95.4333, 77.5387, 42.3761

Sweetspot

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



50.0987, 77.5391, 74.6148



75.3183, 90.0611, 97.4424



43.5683, 75.4212, 17.8930



15.6864, 19.0585, 20.5692



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.



50.0987, 77.5391, 74.6148



47.1072, 76.1228, 68.7870



42.4325, 52.3408, 102.4741



18.3646, 20.4054, 22.2232



23.9547, 39.4785, 33.9763



2.3740, 3.8605, 3.5271

Inverse Universe

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



46.2936, 26.6872, 18.0422



43.2608, 22.8357, 10.2058



48.8645, 34.7898, 9.7712



18.1814, 18.0559, 19.5723



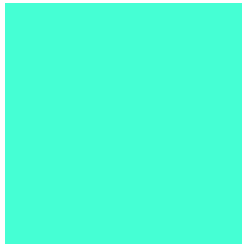
22.0074, 11.2923, 3.4237



2.1825, 1.1154, 0.5425

Previews

White Background



This preview shows how the XYZ color 50.0979, 77.5387, 74.6134 looks on a white background.

Color Contrast Check

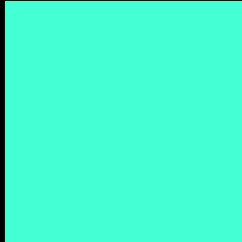
Large Text (above 18pt) WCAG AA × Fail

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 50.0979, 77.5387, 74.6134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

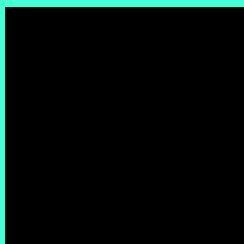
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

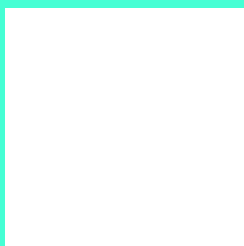
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0979, 77.5387, 74.6134

Background



This preview shows how black text looks on a background with the XYZ color 50.0979, 77.5387, 74.6134.

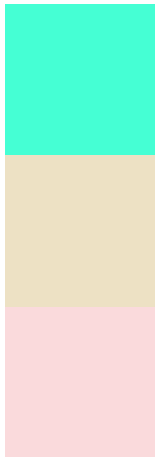


This preview shows how white text looks on a background with the XYZ color 50.0979, 77.5387,

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

50.0979, 77.5387, 74.6134

Protanopia

71.8141, 75.8405, 63.0782

Deuteranopia

77.4140, 75.6341, 78.2288



Tritanopia

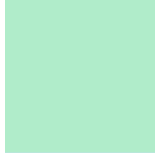
62.8317, 77.0006, 106.1588

Trichromacy



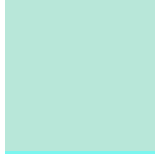
Original Color

50.0979, 77.5387, 74.6134



Protanomaly

58.5606, 73.4853, 66.9747



Deuteranomaly

60.8675, 72.3519, 76.4029



Tritanomaly

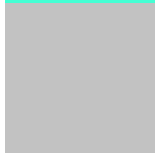
56.7041, 76.3545, 93.4106

Monochromacy



Original Color

50.0979, 77.5387, 74.6134



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.4929, 59.7183, 64.2820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0979, 77.5387, 74.6134 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(69, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 212)  
}
```

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(69, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 50.0979, 77.5387, 74.6134 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(69, 255, 212) }
```


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

```
.border{ border-color:rgb(69, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0979, 77.5387, 74.6134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 212) }
```

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

```
.background{ background-color: rgb(69, 255,  
212) }
```

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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