

Converting Colors

XYZ(51.9655, 76.0903, 77.5937)

Have a look what the booklet for
XYZ(51.9655, 76.0903, 77.5937)
contains.

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Color

**XYZ(51.9655, 76.0903,
77.5937)**

Conversions

Conversions Part 1

Format	Color
Hex	64FAD9
RGB	100, 250, 217
RGB Percent	39%, 98%, 85%
CMY	0.6078, 0.0196, 0.1490
CMYK	0.60, 0.00, 0.13, 0.02
HSL	167°, 94%, 69%
HSV	167°, 60%, 98%
XYZ	51.9655, 76.0903, 77.5937
YIQ	201.3880, -78.8070, -42.0630

Conversions

Conversions Part 2

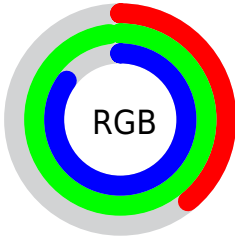
Format	Color
RYB	100, 184, 250
Decimal	6617817
CIELab	89.90, -47.62, 3.95
CIElCh	90, 47.786, 175.264
Yxy	76.0903, 0.2527, 0.3700
Android (android.graphics.Color)	4284807897 (0xFF64FAD9)
YUV	201.3880, 7.6967, -88.9173
Hunter-Lab	87.2298, -46.3140, 8.3204

Details

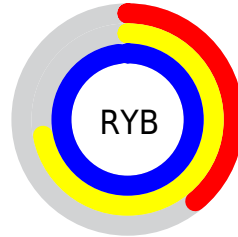
The XYZ color **51.9655, 76.0903, 77.5937** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **48.2177, 31.1338, 25.6611**, and the grayscale version is **55.7488, 58.6521, 63.8722**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **25.5916, 40.7486, 40.6989** is the 20% darker color. If you saturate the color by 10%, you get **48.9098, 74.5982, 73.7792**, and if you desaturate by 10%, it is **55.8975, 78.0351, 81.5770**.

Distribution



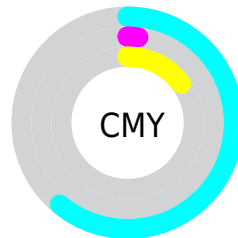
- Red (39%)
- Green (98%)
- Blue (85%)



- Red (39%)
- Yellow (72%)
- Blue (98%)



- Cyan (60%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)





- Cyan (61%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9655, 76.0903, 77.5937 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 51.9655, 76.0903, 77.5937 by changing the saturation by 10% instead.


 51.9655, 76.0903,
77.5937


 51.9655, 76.0903,
77.5937


384.6296,
481.6568, 506.2772


 37.2017, 56.5066,
57.2258


 92.2549, 127.8545,
131.7579

 25.5381, 40.6092,
40.7760


 118.5112,
160.8038, 166.3912

 16.6093, 28.0139,
27.8257


 149.3291,
198.9771, 206.6168

 10.0499, 18.3361,
17.9564

185.0739,
242.7587, 252.8532

 5.4946, 11.1916,
10.7496

226.1110,
292.5331, 305.5189

 2.5780, 6.1958,
5.7867

272.8058,

 0.9347, 2.9645,

348.6846, 365.0324

2.6491

325.5235,
411.5977, 431.8123

■ 0.0000, 1.1132,
0.9176

■ 0.0000, 0.0000,
0.0000

■ 51.9655, 76.0903,
77.5937

■ 51.9655, 76.0903,
77.5937

■ 48.9098, 74.5982,
73.7792

■ 55.8975, 78.0351,
81.5770

■ 46.6432, 73.5083,
70.1233

■ 60.7697, 80.4600,
85.7284


■ 45.0718, 72.7741,
66.6220


■ 66.6476, 83.4005,
90.0536


■ 44.0373, 72.3140,
63.2667

■ 73.5887, 86.8863,
94.5566

 44.0371, 72.3139,
63.2663

 81.6464, 90.9449,
99.2410

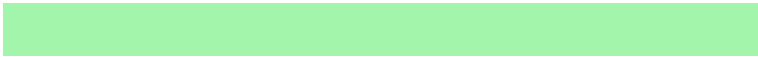
 90.8701, 95.6017,
104.1101

 93.4769, 96.8538,
108.3756

Harmonies

Analogous

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



55.2161, 76.0903, 51.0374



51.9655, 76.0903, 77.5937



53.6643, 76.0903, 113.8274

Triad

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



51.9655, 76.0903, 77.5937



82.4547, 76.0903, 156.6975



86.0507, 76.0903, 40.0663

Complementary

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



51.9655, 76.0903, 77.5937



48.2177, 31.1338, 25.6611

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.



94.8681, 76.0903, 58.0731



51.9655, 76.0903, 77.5937



92.6385, 76.0903, 125.7158

Square

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



51.9655, 76.0903, 77.5937



70.4623, 76.0903, 166.0535



97.4006, 76.0903, 88.3372



74.2132, 76.0903, 33.4612

Rectangle

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



51.9655, 76.0903, 77.5937



57.4841, 76.0903, 138.1795



97.4006, 76.0903, 88.3372



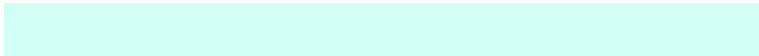
89.5148, 76.0903, 44.7001

Sweetspot

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



51.9677, 76.0933, 77.5955



78.5492, 91.6764, 99.8625



46.4799, 74.4453, 23.9776



16.3204, 19.3748, 21.0745



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.



51.9677, 76.0933, 77.5955



50.6030, 77.7608, 76.3665



45.5598, 55.7074, 98.7972



17.5927, 19.5394, 21.3219



23.4140, 38.3786, 33.8529



2.2075, 3.5701, 3.3405

Inverse Universe

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



48.2177, 31.1338, 25.6611



46.4320, 26.9828, 18.0304



51.1051, 40.0026, 17.0857



17.4009, 17.2877, 18.7010



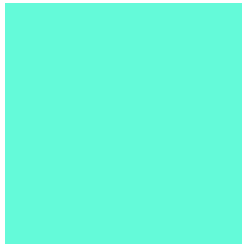
21.3212, 10.9442, 3.1341



2.0125, 1.0287, 0.4892

Previews

White Background



This preview shows how the XYZ color 51.9655, 76.0903, 77.5937 looks on a white background.

Color Contrast Check

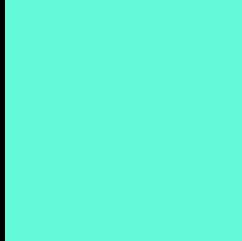
Large Text (above 18pt) WCAG AA × Fail

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 51.9655, 76.0903, 77.5937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

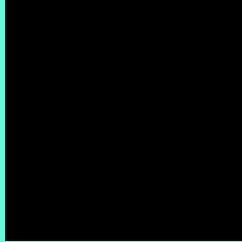
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9655, 76.0903, 77.5937

Background



This preview shows how black text looks on a background with the XYZ color 51.9655, 76.0903, 77.5937.

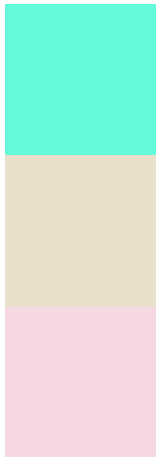


This preview shows how white text looks on a background with the XYZ color 51.9655, 76.0903,

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

51.9655, 76.0903, 77.5937

Protanopia

71.0394, 74.9467, 67.2219

Deuteranopia

76.2734, 74.6004, 80.9003



Tritanopia

61.4942, 75.4370, 105.9275

Trichromacy



Original Color

51.9655, 76.0903, 77.5937



Protanomaly

60.5317, 73.1462, 70.6028



Deuteranomaly

63.0628, 72.5965, 79.0954



Tritanomaly

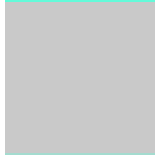
57.4435, 75.3576, 94.7370

Monochromacy



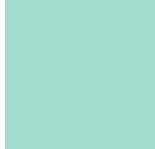
Original Color

51.9655, 76.0903, 77.5937



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.9038, 63.0605, 68.4678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9655, 76.0903, 77.5937 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(100, 250, 217)` looks like.

```
.text, #text, p{  
    color:rgb(100, 250, 217)  
}
```

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(100, 250, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 250, 217) }
```

Border

The CSS property to change the border of an element to XYZ 51.9655, 76.0903, 77.5937 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(100, 250, 217) }
```


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

```
.border{ border-color:rgb(100, 250, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 250, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 250, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 250, 217);  
box-shadow:4px 4px 4px 4px rgb(100, 250,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9655, 76.0903, 77.5937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 250, 217) }
```

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

```
.background{ background-color: rgb(100,  
250, 217) }
```

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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