

Converting Colors

XYZ(52.3180, 79.9881, 68.2224)

Have a look what the booklet for
XYZ(52.3180, 79.9881, 68.2224)
contains.

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Color

**XYZ(51.4482, 78.3897,
67.6775)**

Conversions

Conversions Part 1

Format	Color
Hex	63FFC9
RGB	99, 255, 201
RGB Percent	39%, 100%, 79%
CMY	0.6117, 0.0000, 0.2118
CMYK	0.61, 0.00, 0.21, 0.00
HSL	159°, 100%, 69%
HSV	159°, 61%, 100%
XYZ	51.4482, 78.3897, 67.6775
YIQ	202.2000, -75.6420, -49.8660

Conversions

Conversions Part 2

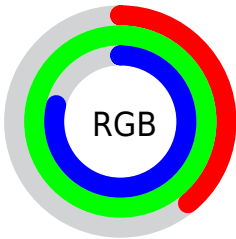
Format	Color
R_{YB}	99, 193, 255
Decimal	6553545
CIE _{Lab}	90.96, -53.54, 13.73
CIE _{LCh}	91, 55.268, 165.620
Yxy	78.3897, 0.2605, 0.3969
Android (android.graphics.Color)	4284743625 (0xFF63FFC9)
YUV	202.2000, -0.5916, -90.5064
Hunter-Lab	88.5380, -51.2175, 16.6559

Details

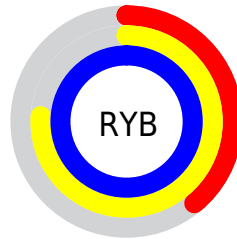
The XYZ color **51.4482, 78.3897, 67.6775** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.4522, 32.4845, 33.6963**, and the grayscale version is **56.3016, 59.2337, 64.5055**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **25.2327, 42.0391, 34.3882** is the 20% darker color. If you saturate the color by 10%, you get **48.0799, 76.7698, 62.2551**, and if you desaturate by 10%, it is **55.7569, 80.4874, 73.4581**.

Distribution



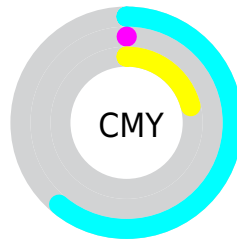
- Red (39%)
- Green (100%)
- Blue (79%)



- Red (39%)
- Yellow (76%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (61%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4482, 78.3897, 67.6775 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 51.4482, 78.3897, 67.6775 by changing the saturation by 10% instead.


 51.4482, 78.3897,
67.6775


 51.4482, 78.3897,
67.6775


382.6617,
489.4893, 470.9195


 36.7879, 58.3942,
49.1704


 91.4960, 131.0993,
117.5405

 25.2163, 42.1256,
34.3881


 117.6142,
164.5822, 149.7335

 16.3678, 29.1997,
22.9121

 148.2825,
203.3297, 187.3254

 9.8773, 19.2319,
14.3239

183.8661,
247.7261, 230.7350

 5.3793, 11.8380,
8.2050

224.7305,
298.1559, 280.3806

 2.5085, 6.6334,
4.1368


271.2410,


 0.8996, 3.2339,


355.0034, 336.6809


1.7007


323.7629,
418.6531, 400.0543


 0.0000, 1.2551,
0.3612


 0.0000, 0.1060,
0.0000


 51.4482, 78.3897,
67.6775


 51.4482, 78.3897,
67.6775


 48.0799, 76.7698,
62.2551


 55.7569, 80.4874,
73.4581


 45.5627, 75.5819,
57.1776

 61.0794, 83.1008,
79.6014


 43.7931, 74.7727,
52.4361


 67.4845, 86.2652,
86.1169

 42.7103, 74.3001,
48.5197

 75.0340, 90.0123,
93.0122

 83.7847, 94.3713,
100.2949

 93.7900, 99.3697,
107.9720

 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.



56.9497, 78.3897, 42.1438



51.4482, 78.3897, 67.6775



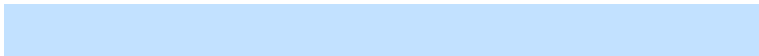
51.5655, 78.3897, 107.7283

Triad

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



51.4482, 78.3897, 67.6775



81.9574, 78.3897, 182.6448



94.8638, 78.3897, 41.4145

Complementary

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



51.4482, 78.3897, 67.6775



51.4522, 32.4845, 33.6963

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.



103.4074, 78.3897, 66.3126



51.4482, 78.3897, 67.6775



95.3463, 78.3897, 151.0642

Square

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



51.4482, 78.3897, 67.6775



68.0484, 78.3897, 183.3595



103.5943, 78.3897, 105.8658



81.3620, 78.3897, 30.5085

Rectangle

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



51.4482, 78.3897, 67.6775



54.7785, 78.3897, 138.3030



103.5943, 78.3897, 105.8658



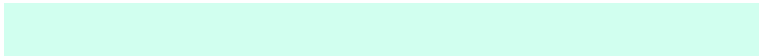
98.4810, 78.3897, 48.0059

Sweetspot

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



51.4490, 78.3901, 67.6789



77.6793, 91.3285, 95.2820



51.2633, 79.2521, 24.4008



16.1066, 19.2893, 19.9486



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.



51.4490, 78.3901, 67.6789



47.5597, 76.5222, 61.3027



51.9404, 67.3616, 104.8723



18.2721, 20.3684, 21.7358



22.3902, 38.8527, 25.7376



2.2316, 3.8036, 2.7774

Inverse Universe

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



51.4522, 32.4845, 33.6963



47.6123, 27.1992, 25.0345



50.5016, 36.1794, 16.1271



18.2689, 18.0909, 20.0333



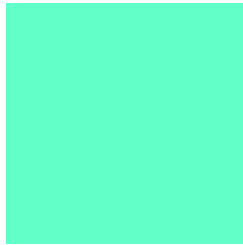
22.5381, 11.5045, 6.2181



2.2436, 1.1398, 0.8642

Previews

White Background



This preview shows how the XYZ color 51.4482, 78.3897, 67.6775 looks on a white background.

Color Contrast Check

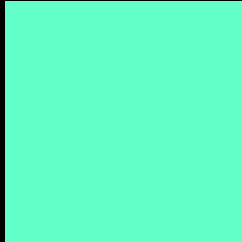
Large Text (above 18pt) WCAG AA × Fail

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 51.4482, 78.3897, 67.6775 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

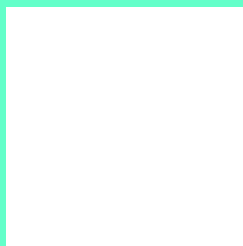
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4482, 78.3897, 67.6775

Background



This preview shows how black text looks on a background with the XYZ color 51.4482, 78.3897, 67.6775.



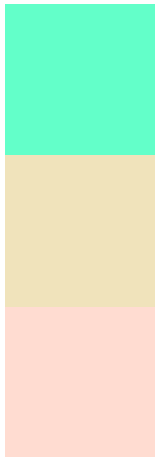
This preview shows how white text looks on a background with the XYZ color 51.4482, 78.3897,

67.6775.

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

51.4482, 78.3897, 67.6775

Protanopia

72.3739, 77.0513, 58.0716

Deuteranopia

78.3418, 77.0498, 71.0646



Tritanopia

64.6096, 77.9171, 106.2420

Trichromacy



Original Color

51.4482, 78.3897, 67.6775



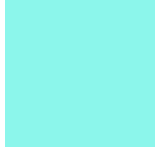
Protanomaly

60.7849, 75.1930, 61.1792



Deuteranomaly

63.5682, 74.7398, 69.4683



Tritanomaly

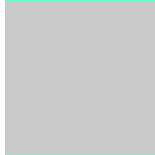
58.7664, 77.4851, 90.4561

Monochromacy



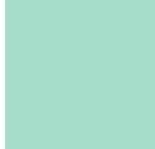
Original Color

51.4482, 78.3897, 67.6775



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.0342, 63.9765, 65.4833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4482, 78.3897, 67.6775 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(99, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 201)  
}
```

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(99, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 51.4482, 78.3897, 67.6775 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(99, 255, 201) }
```


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

```
.border{ border-color:rgb(99, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4482, 78.3897, 67.6775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 201) }
```

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

```
.background{ background-color: rgb(99, 255,  
201) }
```

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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