

Converting Colors

XYZ(51.5254, 78.4930, 64.8093)

Have a look what the booklet for
XYZ(51.5254, 78.4930, 64.8093)
contains.

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Color

**XYZ(51.5495, 78.5088,
64.6613)**

Conversions

Conversions Part 1

Format	Color
Hex	69FFC4
RGB	105, 255, 196
RGB Percent	41%, 100%, 77%
CMY	0.5882, 0.0000, 0.2314
CMYK	0.59, 0.00, 0.23, 0.00
HSL	156°, 100%, 71%
HSV	156°, 59%, 100%
XYZ	51.5495, 78.5088, 64.6613
YIQ	203.4240, -70.4610, -50.1490

Conversions

Conversions Part 2

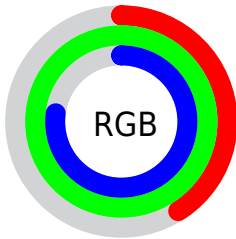
Format	Color
RYB	105, 198, 255
Decimal	6946756
CIELab	91.01, -53.50, 16.39
CIELCh	91, 55.958, 162.965
Yxy	78.5088, 0.2647, 0.4032
Android (android.graphics.Color)	4285136836 (0xFF69FFC4)
YUV	203.4240, -3.6600, -86.3178
Hunter-Lab	88.6052, -51.2098, 18.7556

Details

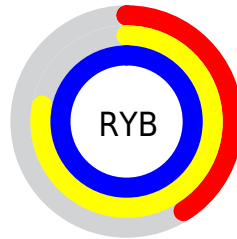
The XYZ color **51.5495, 78.5088, 64.6613** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.9930, 34.0444, 38.9010**, and the grayscale version is **57.0856, 60.0585, 65.4037**.

A 20% lighter version of the original color is **69.4260, 86.8273, 106.0287**, and **25.2021, 42.0677, 32.3828** is the 20% darker color. If you saturate the color by 10%, you get **47.8865, 76.7480, 58.7289**, and if you desaturate by 10%, it is **56.1879, 80.7636, 71.0405**.

Distribution



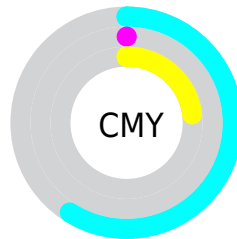
- Red (41%)
- Green (100%)
- Blue (77%)



- Red (41%)
- Yellow (78%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5495, 78.5088, 64.6613 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 51.5495, 78.5088, 64.6613 by changing the saturation by 10% instead.


 51.5495, 78.5088,
64.6613


 51.5495, 78.5088,
64.6613


383.0475,
489.8931, 459.8467


 36.8689, 58.4920,
46.7369


 91.6447, 131.2671,
113.1714

 25.2792, 42.2043,
32.4749


 117.7900,
164.7775, 144.5941

 16.4151, 29.2613,
21.4566


 148.4876,
203.5545, 181.3534

 9.9110, 19.2786,
13.2637

184.1029,
247.9825, 223.8678

 5.4018, 11.8718,
7.4775

225.0011,
298.4460, 272.5557

 2.5221, 6.6564,
3.6796

271.5478,

 0.9064, 3.2482,

355.3293, 327.8358

1.4512

324.1081,
419.0169, 390.1266

0.0000, 1.2626,
0.1812

0.0000, 0.1120,
0.0000

51.5495, 78.5088,
64.6613

51.5495, 78.5088,
64.6613

47.8865, 76.7480,
58.7289

56.1879, 80.7636,
71.0405

45.1123, 75.4367,
53.2275


61.8738, 83.5494,
77.8733


43.1277, 74.5240,
48.1458

68.6745, 86.9008,
85.1716

41.7884, 73.9357,
43.4689

76.6513, 90.8492,
92.9454

 41.6513, 73.8765,
42.9432

 85.8604, 95.4234,
101.2041

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.



57.5992, 78.5088, 40.2642



51.5495, 78.5088, 64.6613



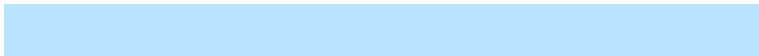
51.1603, 78.5088, 104.1463

Triad

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



51.5495, 78.5088, 64.6613



80.8804, 78.5088, 185.8868



96.3101, 78.5088, 42.6759

Complementary

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



51.5495, 78.5088, 64.6613



52.9930, 34.0444, 38.9010

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.



104.3379, 78.5088, 69.1938



51.5495, 78.5088, 64.6613



94.7021, 78.5088, 155.9651

Square

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



51.5495, 78.5088, 64.6613



66.9434, 78.5088, 183.4970



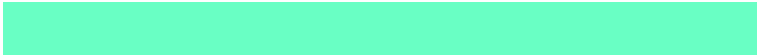
103.7148, 78.5088, 110.3534



82.8626, 78.5088, 30.5976

Rectangle

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



51.5495, 78.5088, 64.6613



54.0752, 78.5088, 135.1713



103.7148, 78.5088, 110.3534



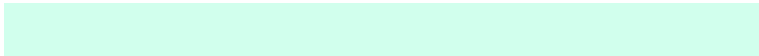
99.8037, 78.5088, 49.7620

Sweetspot

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



51.5502, 78.5091, 64.6626



77.3610, 91.2012, 93.6058



53.8276, 80.5396, 26.0744



16.0286, 19.2581, 19.5382



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.



51.5502, 78.5091, 64.6626



47.2097, 76.4257, 57.4942



55.0364, 72.5439, 105.7094



18.2345, 20.3533, 21.5378



21.8393, 38.6323, 22.8366



2.1802, 3.7830, 2.5066

Inverse Universe

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



52.9930, 34.0444, 38.9010



48.8088, 28.2002, 29.7244



50.5069, 35.7138, 17.5971



18.3052, 18.1054, 20.2245



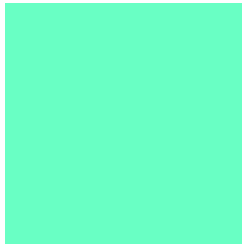
22.8265, 11.6199, 7.7367



2.2744, 1.1521, 1.0264

Previews

White Background



This preview shows how the XYZ color 51.5495, 78.5088, 64.6613 looks on a white background.

Color Contrast Check

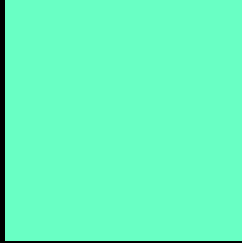
Large Text (above 18pt) WCAG AA × Fail

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 51.5495, 78.5088, 64.6613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

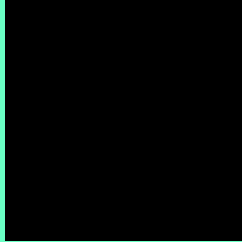
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5495, 78.5088, 64.6613

Background



This preview shows how black text looks on a background with the XYZ color 51.5495, 78.5088, 64.6613.



This preview shows how white text looks on a background with the XYZ color 51.5495, 78.5088,

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

51.5495, 78.5088, 64.6613

Protanopia

72.1882, 77.0163, 55.3169

Deuteranopia

77.9738, 76.9026, 69.1266



Tritanopia

64.7271, 77.5395, 106.1629

Trichromacy



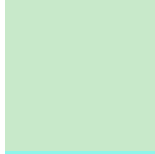
Original Color

51.5495, 78.5088, 64.6613



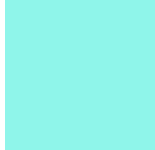
Protanomaly

60.9921, 75.3627, 58.3455



Deuteranomaly

63.6190, 74.8215, 66.9660



Tritanomaly

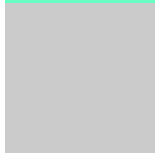
58.8314, 77.0850, 89.6200

Monochromacy



Original Color

51.5495, 78.5088, 64.6613



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.4830, 64.6282, 64.3519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5495, 78.5088, 64.6613 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(105, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 196)  
}
```

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(105, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 51.5495, 78.5088, 64.6613 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(105, 255, 196) }
```


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

```
.border{ border-color:rgb(105, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5495, 78.5088, 64.6613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 196) }
```

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

```
.background{ background-color: rgb(105,  
255, 196) }
```

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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