

Converting Colors

XYZ(80.6702, 136.5361,
79.5033)

Have a look what the booklet for
XYZ(80.6702, 136.5361, 79.5033)
contains.

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Color

**XYZ(51.5888, 78.4210,
69.5445)**

Conversions

Conversions Part 1

Format	Color
Hex	61FFCC
RGB	97, 255, 204
RGB Percent	38%, 100%, 80%
CMY	0.6196, 0.0000, 0.2000
CMYK	0.62, 0.00, 0.20, 0.00
HSL	161°, 100%, 69%
HSV	161°, 62%, 100%
XYZ	51.5888, 78.4210, 69.5445
YIQ	201.9440, -77.7970, -49.3570

Conversions

Conversions Part 2

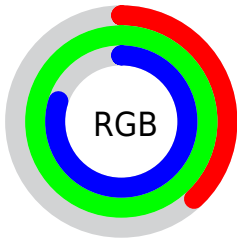
Format	Color
RYB	97, 191, 255
Decimal	6422476
CIELab	90.97, -53.23, 12.20
CIELCh	91, 54.606, 167.095
Yxy	78.4210, 0.2585, 0.3930
Android (android.graphics.Color)	4284612556 (0xFF61FFCC)
YUV	201.9440, 1.0136, -92.0359
Hunter-Lab	88.5556, -50.9857, 15.4273

Details

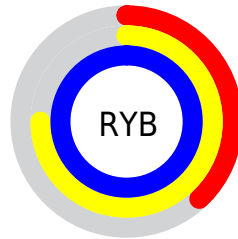
The XYZ color **51.5888, 78.4210, 69.5445** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.8606, 31.9484, 31.5040**, and the grayscale version is **56.1331, 59.0564, 64.3124**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **25.4713, 42.1345, 35.6445** is the 20% darker color. If you saturate the color by 10%, you get **48.3335, 76.8539, 64.3750**, and if you desaturate by 10%, it is **55.7708, 80.4597, 75.0324**.

Distribution



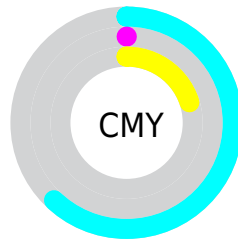
- Red (38%)
- Green (100%)
- Blue (80%)



- Red (38%)
- Yellow (75%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5888, 78.4210, 69.5445 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 51.5888, 78.4210, 69.5445 by changing the saturation by 10% instead.


 51.5888, 78.4210,
69.5445


 51.5888, 78.4210,
69.5445


383.1972,
489.5954, 477.6949


 36.9004, 58.4199,
50.6808


 91.7023, 131.1434,
120.2340

 25.3037, 42.1463,
35.5797


 117.8582,
164.6335, 152.8968

 16.4334, 29.2159,
23.8226


 148.5672,
203.3888, 190.9964

 9.9241, 19.2442,
14.9911

184.1947,
247.7935, 234.9513

 5.4106, 11.8469,
8.6666

225.1061,
298.2321, 285.1800

 2.5273, 6.6395,
4.4305

271.6667,

 0.9091, 3.2377,

355.0891, 342.1012

1.8644

324.2420,
418.7487, 406.1333

■ 0.0000, 1.2570,
0.4699

■ 0.0000, 0.1076,
0.0000

■ 51.5888, 78.4210,
69.5445

■ 51.5888, 78.4210,
69.5445

■ 48.3335, 76.8539,
64.3750

■ 55.7708, 80.4597,
75.0324

■ 45.9145, 75.7120,
59.5115


■ 60.9534, 83.0082,
80.8424


■ 44.2269, 74.9413,
54.9462

■ 67.2056, 86.1020,
86.9828

■ 43.2729, 74.5252,
51.4826

■ 74.5896, 89.7728,
93.4605

 83.1625, 94.0502,
100.2820

 92.9774, 98.9614,
107.4536

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.



56.7731, 78.4210, 43.4628



51.5888, 78.4210, 69.5445



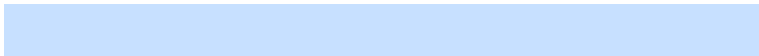
51.9820, 78.4210, 109.6787

Triad

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



51.5888, 78.4210, 69.5445



82.5957, 78.4210, 180.3284



94.0579, 78.4210, 41.0104

Complementary

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



51.5888, 78.4210, 69.5445



50.8606, 31.9484, 31.5040

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.



102.8221, 78.4210, 64.9764



51.5888, 78.4210, 69.5445



95.6659, 78.4210, 148.1256

Square

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



51.5888, 78.4210, 69.5445



68.7776, 78.4210, 182.7015



103.4445, 78.4210, 103.4697



80.6088, 78.4210, 30.7427

Rectangle

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



51.5888, 78.4210, 69.5445



55.3464, 78.4210, 139.7859



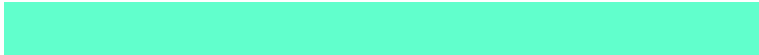
103.4445, 78.4210, 103.4697



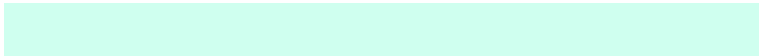
97.7179, 78.4210, 47.3257

Sweetspot

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



51.5896, 78.4214, 69.5459



77.0000, 90.9740, 95.4429



50.4349, 78.8359, 23.8690



15.9821, 19.2235, 20.0184



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.



51.5896, 78.4214, 69.5459



47.7749, 76.5878, 63.3576



50.9076, 65.6164, 104.5899



18.2908, 20.3758, 21.8343



22.6824, 38.9695, 27.2763



2.2586, 3.8143, 2.9194

Inverse Universe

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



50.8606, 31.9484, 31.5040



47.0502, 26.7293, 22.8295



50.5227, 36.3729, 15.6682



18.2510, 18.0837, 19.9390



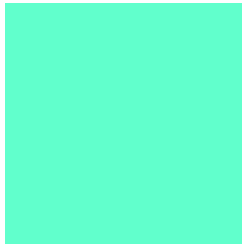
22.4109, 11.4537, 5.5485



2.2296, 1.1342, 0.7905

Previews

White Background



This preview shows how the XYZ color 51.5888, 78.4210, 69.5445 looks on a white background.

Color Contrast Check

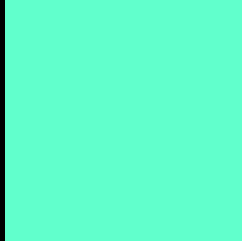
Large Text (above 18pt) WCAG AA × Fail

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 51.5888, 78.4210, 69.5445 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 51.5888, 78.4210, 69.5445

Background



This preview shows how black text looks on a background with the XYZ color 51.5888, 78.4210, 69.5445.

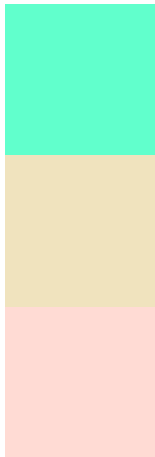


This preview shows how white text looks on a background with the XYZ color 51.5888, 78.4210,

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

51.5888, 78.4210, 69.5445

Protanopia

72.6985, 77.1811, 59.7810

Deuteranopia

78.4552, 76.6765, 72.9524



Tritanopia

64.6096, 77.9171, 106.2420

Trichromacy



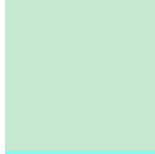
Original Color

51.5888, 78.4210, 69.5445



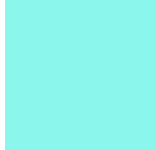
Protanomaly

60.8736, 75.1999, 62.9364



Deuteranomaly

63.6539, 74.3224, 71.3123



Tritanomaly

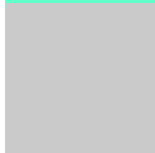
58.7436, 77.4566, 91.2114

Monochromacy



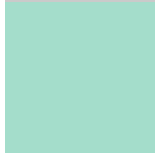
Original Color

51.5888, 78.4210, 69.5445



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.9458, 63.9172, 66.0993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5888, 78.4210, 69.5445 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(97, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 204)  
}
```

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(97, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 51.5888, 78.4210, 69.5445 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(97, 255, 204) }
```


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

```
.border{ border-color:rgb(97, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5888, 78.4210, 69.5445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 204) }
```

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

```
.background{ background-color: rgb(97, 255,  
204) }
```

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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