

Converting Colors

XYZ(54.6344, 83.5445, 72.4738)

Have a look what the booklet for
XYZ(54.6344, 83.5445, 72.4738)
contains.

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Color

**XYZ(52.1681, 78.6776,
71.4682)**

Conversions

Conversions Part 1

Format	Color
Hex	63FFCF
RGB	99, 255, 207
RGB Percent	39%, 100%, 81%
CMY	0.6117, 0.0000, 0.1882
CMYK	0.61, 0.00, 0.19, 0.00
HSL	162°, 100%, 69%
HSV	162°, 61%, 100%
XYZ	52.1681, 78.6776, 71.4682
YIQ	202.8840, -77.5680, -48.0000

Conversions

Conversions Part 2

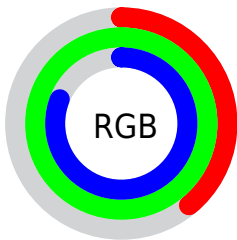
Format	Color
RYB	99, 191, 255
Decimal	6553551
CIELab	91.09, -52.21, 10.82
CIELCh	91, 53.318, 168.289
Yxy	78.6776, 0.2579, 0.3889
Android (android.graphics.Color)	4284743631 (0xFF63FFCF)
YUV	202.8840, 2.0292, -91.1063
Hunter-Lab	88.7004, -50.2430, 14.3188

Details

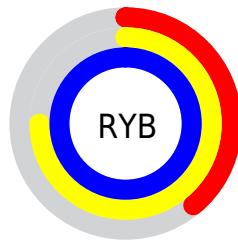
The XYZ color **52.1681, 78.6776, 71.4682** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.9691, 32.2915, 31.1518**, and the grayscale version is **56.7150, 59.6686, 64.9791**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **25.7160, 42.2324, 36.9333** is the 20% darker color. If you saturate the color by 10%, you get **48.8731, 77.0871, 66.4312**, and if you desaturate by 10%, it is **56.3917, 80.7414, 76.8002**.

Distribution



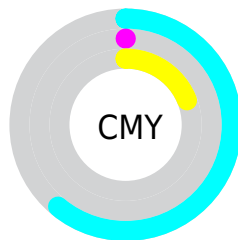
- Red (39%)
- Green (100%)
- Blue (81%)



- Red (39%)
- Yellow (75%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1681, 78.6776, 71.4682 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 52.1681, 78.6776, 71.4682 by changing the saturation by 10% instead.


 52.1681, 78.6776,
71.4682


 52.1681, 78.6776,
71.4682


385.3985,
490.4650, 484.6162


 37.3639, 58.6308,
52.2402


 92.5519, 131.5049,
123.0008

 25.6643, 42.3160,
36.8130


 118.8621,
165.0541, 156.1425

 16.7041, 29.3488,
24.7681

 149.7385,
203.8730, 194.7592

 10.1177, 19.3448,
15.6869

185.5462,
248.3458, 239.2694

 5.5399, 11.9197,
9.1509

226.6507,
298.8571, 290.0916

 2.6054, 6.6890,
4.7416

273.4174,

 0.9487, 3.2684,

355.7911, 347.6445

2.0404

326.2115,
419.5322, 412.3465

■ 0.0000, 1.2734,
0.5799

■ 0.0000, 0.1205,
0.0000

■ 52.1681, 78.6776,
71.4682

■ 52.1681, 78.6776,
71.4682

■ 48.8731, 77.0871,
66.4312

■ 56.3917, 80.7414,
76.8002

■ 46.4173, 75.9238,
61.6775


■ 61.6168, 83.3158,
82.4301


■ 44.6977, 75.1346,
57.1998


■ 67.9119, 86.4362,
88.3659

■ 43.6499, 74.6760,
53.4677

■ 75.3384, 90.1341,
94.6138

 83.9531, 94.4387,
101.1798

 93.8090, 99.3773,
108.0695

 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.



57.0560, 78.6776, 45.1661



52.1681, 78.6776, 71.4682



52.7758, 78.6776, 111.1301

Triad

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



52.1681, 78.6776, 71.4682



83.2110, 78.6776, 177.2199



93.3823, 78.6776, 41.3493

Complementary

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



52.1681, 78.6776, 71.4682



50.9691, 32.2915, 31.1518

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.



102.1827, 78.6776, 64.4239



52.1681, 78.6776, 71.4682



95.8416, 78.6776, 145.1436

Square

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



52.1681, 78.6776, 71.4682



69.6431, 78.6776, 180.8223



103.1333, 78.6776, 101.6308



80.1649, 78.6776, 31.6080

Rectangle

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



52.1681, 78.6776, 71.4682



56.2294, 78.6776, 140.3714



103.1333, 78.6776, 101.6308



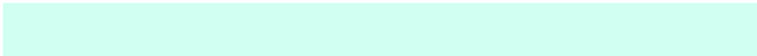
97.0202, 78.6776, 47.4184

Sweetspot

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



52.1689, 78.6781, 71.4696



77.9416, 91.4334, 96.6633



50.2983, 78.7546, 24.3560



16.1709, 19.3151, 20.2875



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.



52.1689, 78.6781, 71.4696



48.3648, 76.8442, 65.5423



50.5018, 64.4841, 104.3927



18.3029, 20.3807, 21.8980



22.8779, 39.0478, 28.3063



2.2765, 3.8215, 3.0138

Inverse Universe

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



50.9691, 32.2915, 31.1518



47.1330, 27.0074, 22.5103



51.1601, 37.4964, 16.3469



18.2395, 18.0791, 19.8783



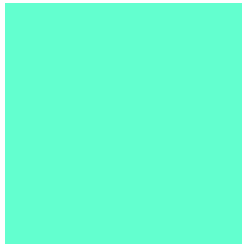
22.3342, 11.4230, 5.1444



2.2210, 1.1308, 0.7452

Previews

White Background



This preview shows how the XYZ color 52.1681, 78.6776, 71.4682 looks on a white background.

Color Contrast Check

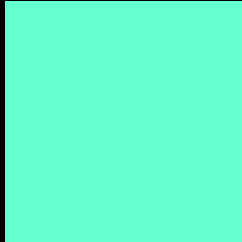
Large Text (above 18pt) WCAG AA × Fail

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 52.1681, 78.6776, 71.4682 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 52.1681, 78.6776, 71.4682

Background



This preview shows how black text looks on a background with the XYZ color 52.1681, 78.6776, 71.4682.

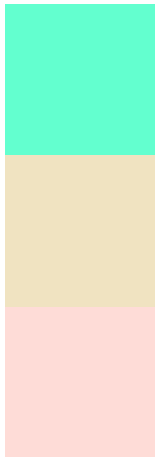


This preview shows how white text looks on a background with the XYZ color 52.1681, 78.6776, 71.4682.

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

52.1681, 78.6776, 71.4682

Protanopia

73.0299, 77.3137, 61.5260

Deuteranopia

78.7320, 77.1635, 75.0344



Tritanopia

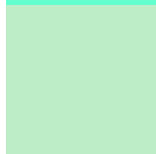
65.0223, 78.1299, 106.2613

Trichromacy



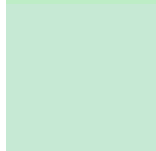
Original Color

52.1681, 78.6776, 71.4682



Protanomaly

61.4635, 75.4644, 64.7527



Deuteranomaly

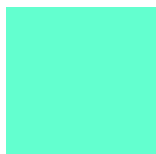
64.3113, 75.0371, 73.3814



Tritanomaly

59.3729, 77.7473, 92.7664

Monochromacy



Original Color

52.1681, 78.6776, 71.4682



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.5374, 64.6015, 66.8271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1681, 78.6776, 71.4682 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 52.1681, 78.6776, 71.4682 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, 207) }
```


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

```
.border{ border-color:rgb(99, 255, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1681, 78.6776, 71.4682 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, 207) }
```

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

```
.background{ background-color: rgb(99, 255,  
207) }
```

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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