

Converting Colors

XYZ(52.2825, 78.7959, 68.7963)

Have a look what the booklet for
XYZ(52.2825, 78.7959, 68.7963)
contains.

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Color

**XYZ(52.3652, 78.8351,
68.9567)**

Conversions

Conversions Part 1

Format	Color
Hex	69FFCB
RGB	105, 255, 203
RGB Percent	41%, 100%, 80%
CMY	0.5882, 0.0000, 0.2039
CMYK	0.59, 0.00, 0.20, 0.00
HSL	159°, 100%, 71%
HSV	159°, 59%, 100%
XYZ	52.3652, 78.8351, 68.9567
YIQ	204.2220, -72.7080, -47.9720

Conversions

Conversions Part 2

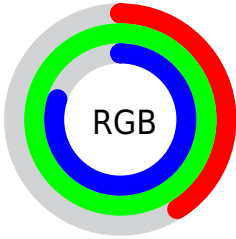
Format	Color
RYB	105, 196, 255
Decimal	6946763
CIELab	91.16, -52.00, 13.01
CIELCh	91, 53.603, 165.958
Yxy	78.8351, 0.2616, 0.3939
Android (android.graphics.Color)	4285136843 (0xFF69FFCB)
YUV	204.2220, -0.6024, -87.0177
Hunter-Lab	88.7891, -50.1070, 16.1057

Details

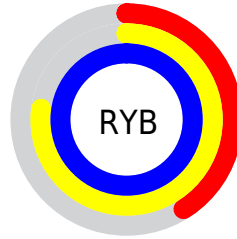
The XYZ color **52.3652, 78.8351, 68.9567** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.3780, 33.7984, 35.6623**, and the grayscale version is **57.5718, 60.5700, 65.9608**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **25.7219, 42.2730, 35.2376** is the 20% darker color. If you saturate the color by 10%, you get **48.7824, 77.1063, 63.4465**, and if you desaturate by 10%, it is **56.9072, 81.0513, 74.8281**.

Distribution



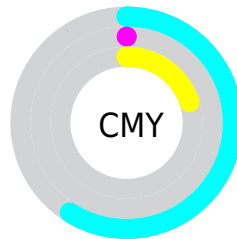
- Red (41%)
- Green (100%)
- Blue (80%)



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



- Cyan (59%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3652, 78.8351, 68.9567 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 52.3652, 78.8351, 68.9567 by changing the saturation by 10% instead.


 52.3652, 78.8351,
68.9567


 52.3652, 78.8351,
68.9567


386.1457,
490.9983, 475.5680


 37.5217, 58.7602,
50.2049


 92.8407, 131.7267,
119.3868

 25.7872, 42.4201,
35.2039


 119.2033,
165.3122, 151.9023

 16.7964, 29.4304,
23.5352


 150.1364,
204.1701, 189.8427

 10.1838, 19.4067,
14.7802

186.0053,
248.6847, 233.6266

 5.5842, 11.9645,
8.5204

227.1753,
299.2404, 283.6725

 2.6322, 6.7195,
4.3372

274.0118,

 0.9624, 3.2873,

356.2216, 340.3991

1.8121

326.8801,
420.0128, 404.2247

■ 0.0000, 1.2835,
0.4359

■ 0.0000, 0.1284,
0.0000

■ 52.3652, 78.8351,
68.9567

■ 52.3652, 78.8351,
68.9567

■ 48.7824, 77.1063,
63.4465

■ 56.9072, 81.0513,
74.8281

■ 46.0726, 75.8208,
58.2842


■ 62.4799, 83.7919,
81.0650


■ 44.1371, 74.9278,
53.4613

■ 69.1504, 87.0912,
87.6770

■ 42.8322, 74.3532,
48.9656

■ 76.9791, 90.9803,
94.6715

 42.6982, 74.2953,
48.4562

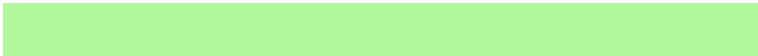
 86.0223, 95.4882,
102.0561

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.



57.6991, 78.8351, 43.6711



52.3652, 78.8351, 68.9567



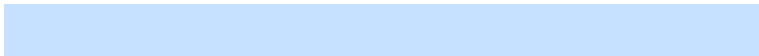
52.5432, 78.8351, 108.0605

Triad

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



52.3652, 78.8351, 68.9567



82.3338, 78.8351, 179.5703



94.5681, 78.8351, 42.5549

Complementary

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



52.3652, 78.8351, 68.9567



52.3780, 33.7984, 35.6623

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.



102.9147, 78.8351, 66.8924



52.3652, 78.8351, 68.9567



95.2903, 78.8351, 148.9558

Square

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



52.3652, 78.8351, 68.9567



68.7774, 78.8351, 180.6299



103.1939, 78.8351, 105.2715



81.4399, 78.8351, 31.8450

Rectangle

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



52.3652, 78.8351, 68.9567



55.7358, 78.8351, 137.6057



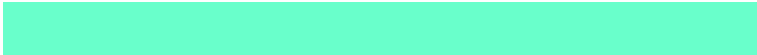
103.1939, 78.8351, 105.2715



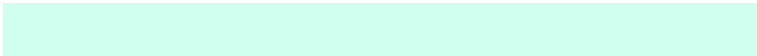
98.0921, 78.8351, 49.0175

Sweetspot

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



52.3659, 78.8354, 68.9581



77.6758, 91.3271, 95.2636



52.3130, 79.7588, 26.0036



16.1057, 19.2890, 19.9442



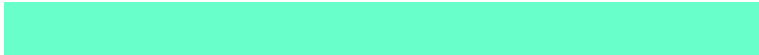
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.3659, 78.8354, 68.9581



48.1209, 76.7901, 62.2926



52.8739, 68.2190, 104.9886



18.2717, 20.3682, 21.7336



22.3839, 38.8502, 25.7047



2.2310, 3.8033, 2.7743

Inverse Universe

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



52.3780, 33.7984, 35.6623



48.1802, 27.9488, 26.4145



51.4446, 37.5892, 17.9098



18.2693, 18.0910, 20.0353



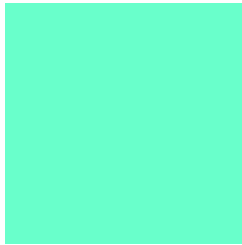
22.5410, 11.5057, 6.2334



2.2439, 1.1399, 0.8659

Previews

White Background



This preview shows how the XYZ color 52.3652, 78.8351, 68.9567 looks on a white background.

Color Contrast Check

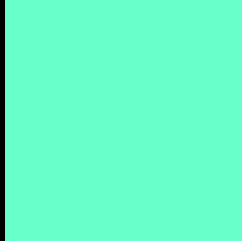
Large Text (above 18pt) WCAG AA × Fail

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 52.3652, 78.8351, 68.9567 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 52.3652, 78.8351, 68.9567

Background



This preview shows how black text looks on a background with the XYZ color 52.3652, 78.8351, 68.9567.

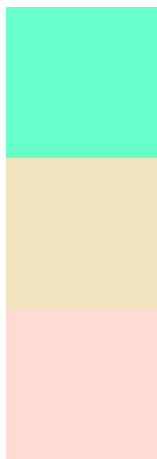


This preview shows how white text looks on a background with the XYZ color 52.3652, 78.8351,

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

52.3652, 78.8351, 68.9567

Protanopia

72.9300, 77.3131, 59.2232

Deuteranopia

78.5911, 77.1495, 72.3772



Tritanopia

65.4416, 78.3461, 106.2809

Trichromacy



Original Color

52.3652, 78.8351, 68.9567



Protanomaly

61.7600, 75.6699, 62.3896



Deuteranomaly

64.3435, 75.1113, 70.7812



Tritanomaly

59.5977, 77.8970, 91.2514

Monochromacy



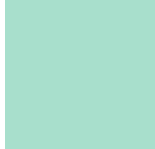
Original Color

52.3652, 78.8351, 68.9567



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.4352, 65.4598, 66.9454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3652, 78.8351, 68.9567 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 52.3652, 78.8351, 68.9567 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, 203) }
```


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

```
.border{ border-color:rgb(105, 255, 203) }
```

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, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3652, 78.8351, 68.9567 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, 203) }
```

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

```
.background{ background-color: rgb(105,  
255, 203) }
```

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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