

# Converting Colors

XYZ(52.2313, 68.2643, 96.8136)

Have a look what the booklet for  
XYZ(52.2313, 68.2643, 96.8136)  
contains.

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# Color

**XYZ(52.3024, 68.3151,  
96.8157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70E9F5
RGB	112, 233, 245
RGB Percent	44%, 91%, 96%
CMY	0.5608, 0.0863, 0.0392
CMYK	0.54, 0.05, 0.00, 0.04
HSL	185°, 87%, 70%
HSV	185°, 54%, 96%
XYZ	52.3024, 68.3151, 96.8157
YIQ	198.1890, -75.9680, -21.9200

# Conversions

## Conversions Part 2

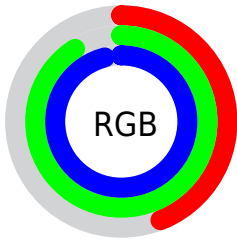
Format	Color
<a href="#">RYB</a>	<a href="#">112, 175, 245</a>
Decimal	<a href="#">7399925</a>
CIELab	<a href="#">86.16, -30.63, -16.18</a>
CIELCh	<a href="#">86, 34.640, 207.838</a>
Yxy	<a href="#">68.3151, 0.2405, 0.3142</a>
Android (android.graphics.Color)	<a href="#">4285590005</a> ( <a href="#">0xFF70E9F5</a> )
YUV	<a href="#">198.1890, 23.0778, -75.5878</a>
Hunter-Lab	<a href="#">82.6529, -31.6887, -11.5924</a>

# Details

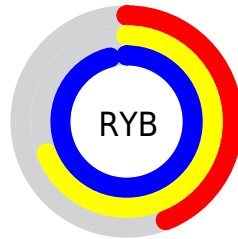
The XYZ color **52.3024, 68.3151, 96.8157** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.7899, 34.9991, 19.5678**, and the grayscale version is **53.6905, 56.4866, 61.5139**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **25.7825, 35.5695, 53.6508** is the 20% darker color. If you saturate the color by 10%, you get **48.9777, 65.6796, 96.4835**, and if you desaturate by 10%, it is **56.4871, 71.4086, 97.1935**.

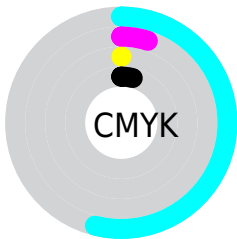
# Distribution



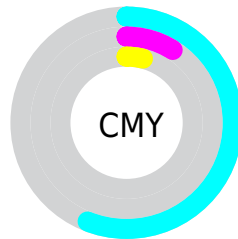
- Red (44%)
- Green (91%)
- Blue (96%)



- Red (44%)
- Yellow (69%)
- Blue (96%)



- Cyan (54%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)




- Cyan (56%)
- Magenta (9%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3024, 68.3151, 96.8157 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 52.3024, 68.3151, 96.8157 by changing the saturation by 10% instead.





 52.3024, 68.3151,  
96.8157


 52.3024, 68.3151,  
96.8157


385.9077,  
454.6116, 571.0937

 37.4714, 50.1541,  
73.0419


 92.7487, 116.8028,  
158.7878

 25.7480, 35.5359,  
53.5182


 119.0946,  
147.8983, 197.8231

 16.7669, 24.0760,  
37.8260


 150.0096,  
184.0741, 242.7828

 10.1627, 15.3900,  
25.5469

185.8590,  
225.7147, 294.0852

 5.5701, 9.0935,  
16.2623

227.0082,  
273.2043, 352.1489

 2.6236, 4.8022,  
9.5536

273.8225,

 0.9580, 2.1317,

326.9274, 417.3926

5.0023

326.6672,  
387.2684, 490.2347

■ 0.0000, 0.6824,  
2.1898

■ 0.0000, 0.0000,  
0.6685

■ 52.3024, 68.3151,  
96.8157

■ 52.3024, 68.3151,  
96.8157

■ 48.9777, 65.6796,  
96.4835

■ 56.4871, 71.4086,  
97.1935

■ 46.4360, 63.4578,  
96.1886

■ 61.5881, 74.9847,  
97.6149

■ 44.5976, 61.6102,  
95.9288

■ 67.6643, 79.0752,  
98.0842

■ 43.3623, 60.0849,  
95.6995

■ 74.7679, 83.7071,  
98.6038

42.8424, 59.3142,  
95.5782

82.9472, 88.9054,  
99.1761

90.7581, 93.9255,  
99.7334

91.4354, 95.2801,  
99.9592

92.1207, 96.6507,  
100.1876

92.8140, 98.0374,  
100.4187

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.7914, 68.3151, 72.7403



52.3024, 68.3151, 96.8157



57.1116, 68.3151, 118.0612

# Triad

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



52.3024, 68.3151, 96.8157



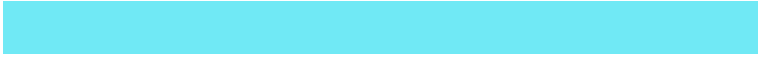
78.7861, 68.3151, 100.2743



65.5112, 68.3151, 38.5841

# Complementary

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



52.3024, 68.3151, 96.8157



47.7899, 34.9991, 19.5678

# 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.



73.4344, 68.3151, 43.0752



52.3024, 68.3151, 96.8157



81.4787, 68.3151, 76.0514

# Square

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



52.3024, 68.3151, 96.8157



72.3530, 68.3151, 120.3282



79.4455, 68.3151, 55.7152



58.0356, 68.3151, 41.9352

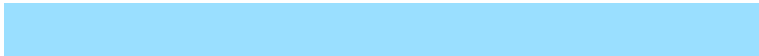


# Rectangle

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



52.3024, 68.3151, 96.8157



61.7565, 68.3151, 126.0581



79.4455, 68.3151, 55.7152



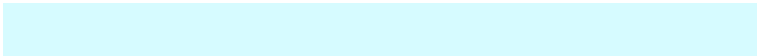
68.2134, 68.3151, 39.2030

# Sweetspot

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



52.3045, 68.3177, 96.8173



80.4370, 90.7403, 107.8829



42.9165, 70.1832, 30.0530



16.8621, 19.1922, 23.0657



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.



52.3045, 68.3177, 96.8173



53.3678, 71.7042, 105.6353



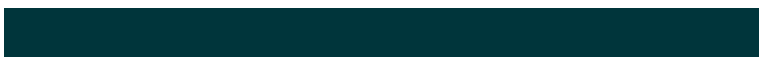
37.0605, 37.8298, 91.7360



16.8614, 18.4871, 21.2222



23.1333, 32.0604, 51.5071



2.0699, 2.8912, 4.5392



# Inverse Universe

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



58.1601, 36.8859, 81.1478



60.5684, 34.7405, 85.9881



58.9058, 57.2309, 23.2731



17.1454, 16.7410, 20.5121



27.4812, 13.3359, 38.8377

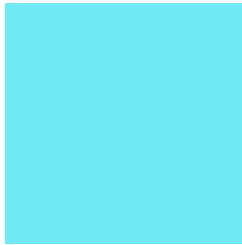


2.4339, 1.1795, 3.5110



# Previews

## White Background



This preview shows how the XYZ color 52.3024, 68.3151, 96.8157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

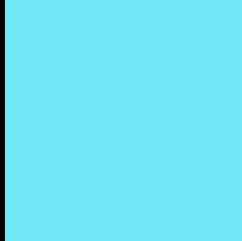
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3024, 68.3151, 96.8157 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 52.3024, 68.3151, 96.8157**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3024, 68.3151, 96.8157.



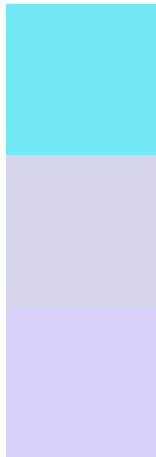
This preview shows how white text looks on a background with the XYZ color 52.3024, 68.3151,



# 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

52.3024, 68.3151, 96.8157

### Protanopia

65.8003, 67.5608, 85.9164

### Deuteranopia

68.9692, 67.4085, 99.8185



## **Tritanopia**

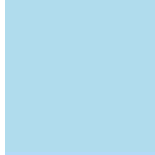
53.2086, 68.2557, 101.6371

# Trichromacy



## Original Color

52.3024, 68.3151, 96.8157



## Protanomaly

58.7838, 66.5309, 89.8643



## Deuteranomaly

60.6051, 66.5038, 98.4492



## Tritanomaly

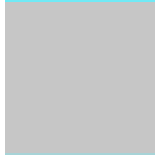
52.7655, 68.0635, 99.9791

# Monochromacy



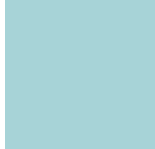
## Original Color

52.3024, 68.3151, 96.8157



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

51.4964, 59.7103, 73.1011

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3024, 68.3151, 96.8157 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(112, 233, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 233, 245)  
}
```

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(112, 233, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 233, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3024, 68.3151, 96.8157 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(112, 233, 245) }
```



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

```
.border{ border-color:rgb(112, 233, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 233, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 233, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 233, 245);  
box-shadow:4px 4px 4px 4px rgb(112, 233,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3024, 68.3151, 96.8157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 233, 245) }
```

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

```
.background{ background-color: rgb(112,  
233, 245) }
```

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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