

# Converting Colors

XYZ(52.5044, 67.6931, 76.5229)

Have a look what the booklet for  
XYZ(52.5044, 67.6931, 76.5229)  
contains.

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# Color

**XYZ(52.4533, 67.5849,  
76.6103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90E6DA
RGB	144, 230, 218
RGB Percent	56%, 90%, 85%
CMY	0.4353, 0.0980, 0.1451
CMYK	0.37, 0.00, 0.05, 0.10
HSL	172°, 63%, 73%
HSV	172°, 37%, 90%
XYZ	52.4533, 67.5849, 76.6103
YIQ	202.9180, -47.4040, -21.9640

# Conversions

## Conversions Part 2

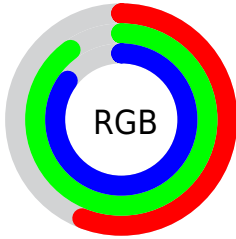
Format	Color
<a href="#">RYB</a>	<a href="#">144, 190, 230</a>
Decimal	<a href="#">9496282</a>
CIELab	<a href="#">85.80, -28.66, -2.37</a>
CIELCh	<a href="#">86, 28.761, 184.727</a>
Yxy	<a href="#">67.5849, 0.2667, 0.3437</a>
Android (android.graphics.Color)	<a href="#">4287686362</a> ( <a href="#">0xFF90E6DA</a> )
YUV	<a href="#">202.9180, 7.4354, -51.6711</a>
Hunter-Lab	<a href="#">82.2100, -29.9774, 2.2956</a>

# Details

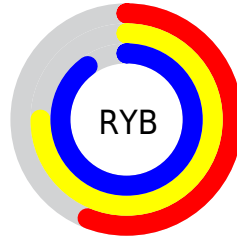
The XYZ color **52.4533, 67.5849, 76.6103** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.6094, 39.1717, 36.4539**, and the grayscale version is **56.6910, 59.6433, 64.9516**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **25.7714, 34.9912, 40.0460** is the 20% darker color. If you saturate the color by 10%, you get **48.4225, 65.5567, 74.2513**, and if you desaturate by 10%, it is **57.3145, 70.0436, 79.0536**.

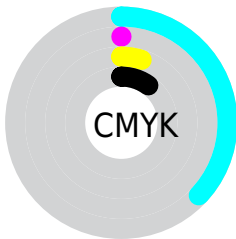
# Distribution



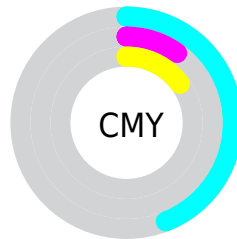
- Red (56%)
- Green (90%)
- Blue (85%)



- Red (56%)
- Yellow (75%)
- Blue (90%)



- Cyan (37%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)



- Cyan (44%)
- Magenta (10%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4533, 67.5849, 76.6103 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 52.4533, 67.5849, 76.6103 by changing the saturation by 10% instead.





 52.4533, 67.5849,  
76.6103


 52.4533, 67.5849,  
76.6103


386.4794,  
452.0239, 502.8366

 37.5922, 49.5601,  
56.4234


 92.9697, 115.7581,  
130.3572

 25.8421, 35.0640,  
40.1362


 119.3557,  
146.6753, 164.7543

 16.8376, 23.7122,  
27.3302


150.3142,  
182.6588, 204.7253

 10.2134, 15.1203,  
17.5867

186.2103,  
224.0929, 250.6887

 5.6040, 8.9038,  
10.4873

227.4096,  
271.3621, 303.0629

 2.6442, 4.6785,  
5.6134

274.2773,

 0.9685, 2.0599,

324.8507, 362.2667

2.5465

327.1787,  
384.9432, 428.7184

■ 0.0000, 0.6419,  
0.8647

■ 0.0000, 0.0000,  
0.0000

■ 52.4533, 67.5849,  
76.6103

■ 52.4533, 67.5849,  
76.6103

■ 48.4225, 65.5567,  
74.2513

■ 57.3145, 70.0436,  
79.0536

■ 45.1662, 63.9252,  
71.9693

■ 63.0460, 72.9484,  
81.5788

■ 42.6308, 62.6643,  
69.7631

■ 69.6923, 76.3238,  
84.1898

■ 40.7532, 61.7417,  
67.6294

■ 77.2931, 80.1903,  
86.8886

■ 39.4597, 61.1192,  
65.5646

■ 84.3967, 83.7995,  
89.6076

■ 38.6519, 60.7462,  
63.5638

■ 84.8623, 83.9857,  
92.0595

■ 38.4800, 60.6688,  
63.0503

■ 85.3363, 84.1753,  
94.5557

■ 85.8188, 84.3683,  
97.0963

■ 86.3098, 84.5647,  
99.6817

# Harmonies

## Analogous

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



53.4786, 67.5849, 59.1994



52.4533, 67.5849, 76.6103



54.4051, 67.5849, 96.1804

# Triad

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



52.4533, 67.5849, 76.6103



71.7053, 67.5849, 107.5042



69.7825, 67.5849, 45.4833

# Complementary

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



52.4533, 67.5849, 76.6103



48.6094, 39.1717, 36.4539

# 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.



75.1882, 67.5849, 54.8441



52.4533, 67.5849, 76.6103



76.3503, 67.5849, 90.1385

# Square

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



52.4533, 67.5849, 76.6103



65.2841, 67.5849, 115.8492



77.6662, 67.5849, 70.6472



63.2020, 67.5849, 43.1030

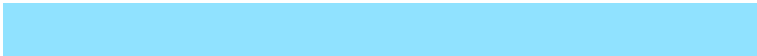


# Rectangle

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



52.4533, 67.5849, 76.6103



57.2157, 67.5849, 107.2501



77.6662, 67.5849, 70.6472



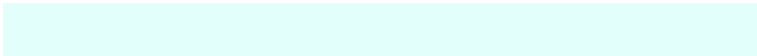
71.8113, 67.5849, 47.8291

# Sweetspot

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



52.4552, 67.5876, 76.6119



84.8488, 94.8132, 105.1660



47.2180, 65.7681, 36.5927



17.9138, 20.1683, 22.4134



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

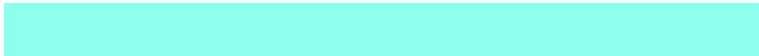


# Same Dimension

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



52.4552, 67.5876, 76.6119



62.1952, 83.3483, 94.4597



46.4177, 52.9070, 82.6316



14.7164, 16.3000, 18.0372



21.8185, 34.3595, 35.8744



1.6362, 2.5486, 2.7770



# Inverse Universe

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



48.6094, 39.1717, 36.4539



56.6779, 42.4986, 36.7860



52.8248, 49.1495, 33.0895



14.4585, 14.4006, 15.3489



18.6496, 9.5940, 1.7836

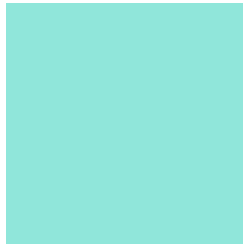


1.4042, 0.7194, 0.2692



# Previews

## White Background



This preview shows how the XYZ color 52.4533, 67.5849, 76.6103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

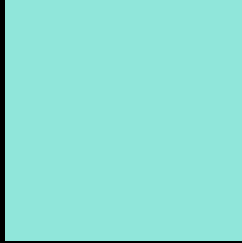
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4533, 67.5849, 76.6103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

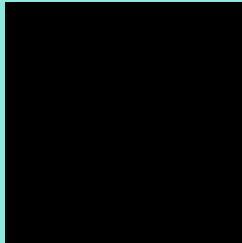
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

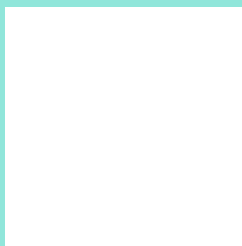
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.4533, 67.5849, 76.6103**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4533, 67.5849, 76.6103.



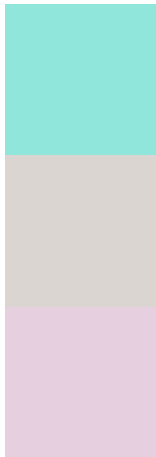
This preview shows how white text looks on a background with the XYZ color 52.4533, 67.5849,



# 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

52.4533, 67.5849, 76.6103

### Protanopia

64.0929, 67.0480, 69.2380

### Deuteranopia

68.2652, 66.7764, 79.1032



## Tritanopia

56.2880, 67.5037, 95.6508

# Trichromacy



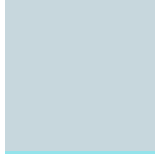
## Original Color

52.4533, 67.5849, 76.6103



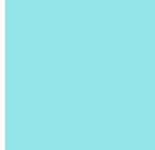
## Protanomaly

58.7010, 66.4929, 72.0279



## Deuteranomaly

60.9048, 65.9634, 77.9288



## Tritanomaly

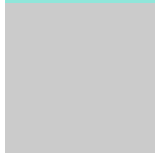
54.6772, 67.2322, 88.6926

# Monochromacy



## Original Color

52.4533, 67.5849, 76.6103



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

54.4708, 62.0876, 68.7877

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4533, 67.5849, 76.6103 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(144, 230, 218)` looks like.

```
.text, #text, p{  
    color:rgb(144, 230, 218)  
}
```

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(144, 230, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 230, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4533, 67.5849, 76.6103 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(144, 230, 218) }
```



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

```
.border{ border-color:rgb(144, 230, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 230, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 230, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 230, 218);  
box-shadow:4px 4px 4px 4px rgb(144, 230,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4533, 67.5849, 76.6103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 230, 218) }
```

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

```
.background{ background-color: rgb(144,  
230, 218) }
```

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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