

# Converting Colors

XYZ(51.2699, 66.4329, 70.9480)

Have a look what the booklet for  
XYZ(51.2699, 66.4329, 70.9480)  
contains.

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# Color

**XYZ(51.2303, 66.2509,  
71.0604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92E4D2
RGB	146, 228, 210
RGB Percent	57%, 89%, 82%
CMY	0.4274, 0.1059, 0.1765
CMYK	0.36, 0.00, 0.08, 0.11
HSL	167°, 60%, 73%
HSV	167°, 36%, 89%
XYZ	51.2303, 66.2509, 71.0604
YIQ	201.4300, -43.0940, -22.9820

# Conversions

## Conversions Part 2

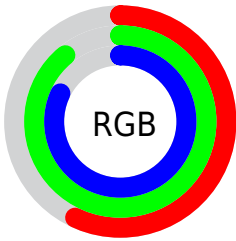
Format	Color
<b>RYB</b>	146, 192, 228
Decimal	9626834
CIELab	85.12, -28.97, 0.87
CIElCh	85, 28.982, 178.278
Yxy	66.2509, 0.2717, 0.3514
Android (android.graphics.Color)	4287816914 (0xFF92E4D2)
YUV	201.4300, 4.2250, -48.6121
Hunter-Lab	81.3947, -30.0916, 5.2140

# Details

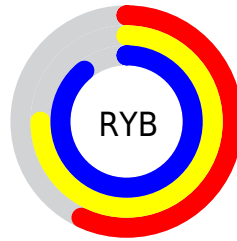
The XYZ color **51.2303, 66.2509, 71.0604** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **48.9769, 39.7338, 40.2125**, and the grayscale version is **55.7794, 58.6843, 63.9072**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **25.0677, 34.1295, 36.7189** is the 20% darker color. If you saturate the color by 10%, you get **46.9609, 64.1226, 67.6570**, and if you desaturate by 10%, it is **56.3312, 68.8090, 74.6074**.

# Distribution



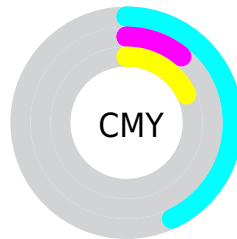
- Red (57%)
- Green (89%)
- Blue (82%)



- Red (57%)
- Yellow (75%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)




- Cyan (43%)
- Magenta (11%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2303, 66.2509, 71.0604 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 51.2303, 66.2509, 71.0604 by changing the saturation by 10% instead.





 51.2303, 66.2509,  
71.0604


 51.2303, 66.2509,  
71.0604


381.8308,  
447.2737, 483.1539

 36.6137, 48.4761,  
51.9094


 91.1761, 113.8464,  
122.4150

 25.0808, 34.2041,  
36.5511


 117.2360,  
144.4358, 155.4556

 16.2664, 23.0504,  
24.5670

147.8410,  
180.0656, 193.9632

 9.8049, 14.6307,  
15.5387

183.3565,  
221.1202, 238.3562

 5.3310, 8.5606,  
9.0475

224.1479,  
267.9839, 289.0532

 2.4795, 4.4557,  
4.6750

270.5805,

 0.8849, 1.9316,

321.0411, 346.4728

2.0025

323.0197,  
380.6762, 411.0336

■ 0.0000, 0.5673,  
0.5568

■ 0.0000, 0.0000,  
0.0000

■ 51.2303, 66.2509,  
71.0604

■ 51.2303, 66.2509,  
71.0604

■ 46.9609, 64.1226,  
67.6570

■ 56.3312, 68.8090,  
74.6074

■ 43.4689, 62.3911,  
64.3895


■ 62.3025, 71.8119,  
78.2965


■ 40.7025, 61.0315,  
61.2559


■ 69.1873, 75.2834,  
82.1319


■ 38.6013, 60.0125,  
58.2526


■ 77.0242, 79.2433,  
86.1164


 37.0944, 59.2979,  
55.3751

 83.9842, 82.7489,  
90.1653


 36.0947, 58.8425,  
52.6185

 84.7179, 83.0424,  
94.0291

 35.7753, 58.7014,  
51.5374

 85.4722, 83.3441,  
98.0009

 86.2471, 83.6541,  
102.0816

 87.0345, 83.9691,  
106.2282

# Harmonies

## Analogous

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



52.8780, 66.2509, 54.8264



51.2303, 66.2509, 71.0604



52.5428, 66.2509, 90.5557

# Triad

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



51.2303, 66.2509, 71.0604



69.1096, 66.2509, 108.6801



69.8075, 66.2509, 45.6595

# Complementary

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



51.2303, 66.2509, 71.0604



48.9769, 39.7338, 40.2125

# 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.



74.6917, 66.2509, 56.4005



51.2303, 66.2509, 71.0604



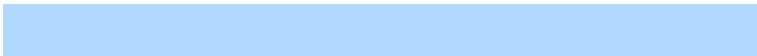
74.2695, 66.2509, 92.7519

# Square

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



51.2303, 66.2509, 71.0604



62.5928, 66.2509, 114.3982



76.3776, 66.2509, 73.2223



63.3477, 66.2509, 41.8225



# Rectangle

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



51.2303, 66.2509, 71.0604



54.9745, 66.2509, 102.4548



76.3776, 66.2509, 73.2223



71.7043, 66.2509, 48.4796

# Sweetspot

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



51.2322, 66.2536, 71.0619



84.4970, 94.6725, 103.3135



48.4785, 65.5785, 37.2981



17.8295, 20.1346, 21.9694



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

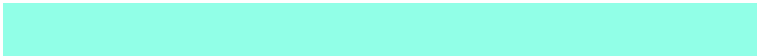


# Same Dimension

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



51.2322, 66.2536, 71.0619



61.9124, 83.3370, 88.3703



47.9631, 55.9216, 81.6678



14.6649, 16.2794, 17.7660



20.7031, 33.9134, 30.0008



1.5635, 2.5195, 2.3939



# Inverse Universe

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



48.9769, 39.7338, 40.2125



58.6201, 44.4984, 43.2437



51.1634, 46.5273, 33.4794



14.5059, 14.4195, 15.5983



18.8444, 9.6720, 2.8094



1.4268, 0.7284, 0.3880



# Previews

## White Background



This preview shows how the XYZ color 51.2303, 66.2509, 71.0604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

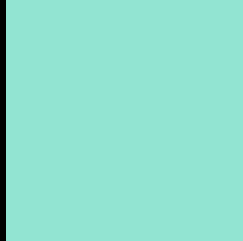
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2303, 66.2509, 71.0604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

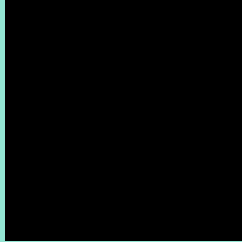
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.2303, 66.2509, 71.0604

## Background



This preview shows how black text looks on a background with the XYZ color 51.2303, 66.2509, 71.0604.



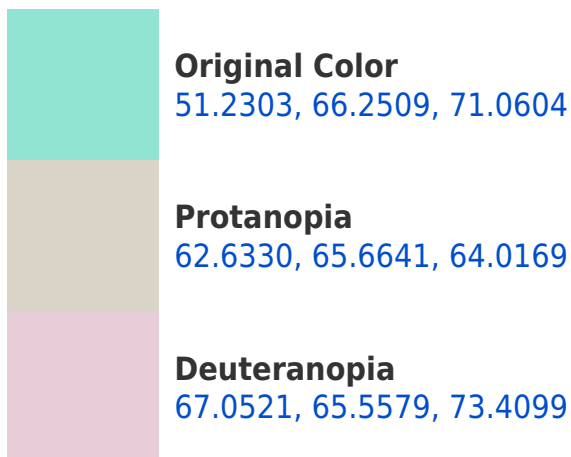
This preview shows how white text looks on a background with the XYZ color 51.2303, 66.2509,



# 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





## Tritanopia

55.5913, 65.9963, 93.0277

# Trichromacy



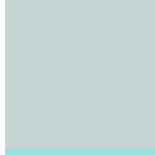
## Original Color

51.2303, 66.2509, 71.0604



## Protanomaly

57.4502, 65.1918, 66.6821



## Deuteranomaly

59.6239, 64.6720, 72.2912



## Tritanomaly

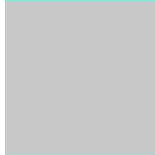
53.9706, 66.1429, 84.7852

# Monochromacy



## Original Color

51.2303, 66.2509, 71.0604



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

53.2494, 60.7719, 66.0504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2303, 66.2509, 71.0604 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(146, 228, 210)` looks like.

```
.text, #text, p{  
    color:rgb(146, 228, 210)  
}
```

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(146, 228, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 228, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2303, 66.2509, 71.0604 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(146, 228, 210) }
```



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

```
.border{ border-color:rgb(146, 228, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 228, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 228, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 228, 210);  
box-shadow:4px 4px 4px 4px rgb(146, 228,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2303, 66.2509, 71.0604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 228, 210) }
```

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

```
.background{ background-color: rgb(146,  
228, 210) }
```

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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