

# Converting Colors

XYZ(53.0366, 54.8336, 69.8650)

Have a look what the booklet for  
XYZ(53.0366, 54.8336, 69.8650)  
contains.

<b>XYZ(53.1370, 54.9901, 70.1009)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(53.1370, 54.9901,  
70.1009)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0C3D4
RGB	192, 195, 212
RGB Percent	75%, 76%, 83%
CMY	0.2471, 0.2353, 0.1686
CMYK	0.09, 0.08, 0.00, 0.17
HSL	231°, 19%, 79%
HSV	231°, 9%, 83%
XYZ	53.1370, 54.9901, 70.1009
YIQ	196.0410, -7.2450, 4.6510

# Conversions

## Conversions Part 2

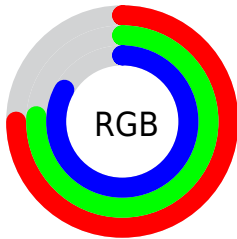
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 195, 212
Decimal	12633044
CIE Lab	79.04, 2.26, -8.84
CIE LCh	79, 9.127, 284.348
Yxy	54.9901, 0.2981, 0.3085
Android (android.graphics.Color)	4290823124 (0xFFC0C3D4)
YUV	196.0410, 7.8678, -3.5440
Hunter-Lab	74.1553, -1.8652, -4.1396

# Details

The XYZ color **53.1370, 54.9901, 70.1009** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.4666, 63.4035, 58.9741**, and the grayscale version is **52.4527, 55.1843, 60.0957**.

A 20% lighter version of the original color is **91.5718, 96.7973, 108.4651**, and **26.0919, 26.8873, 35.7129** is the 20% darker color. If you saturate the color by 10%, you get **44.3548, 44.8283, 68.6032**, and if you desaturate by 10%, it is **63.1828, 66.5293, 71.7996**.

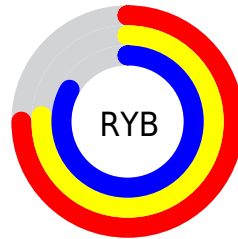
# Distribution



Red (75%)

Green (76%)

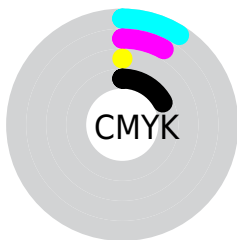
Blue (83%)



Red (75%)

Yellow (76%)

Blue (83%)

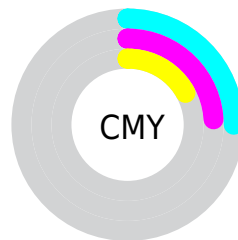


Cyan (9%)

Magenta (8%)

Yellow (0%)

Black (17%)



Cyan (25%)

Magenta (24%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1370, 54.9901, 70.1009 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 53.1370, 54.9901, 70.1009 by changing the saturation by 10% instead.



■ 53.1370, 54.9901,  
70.1009

■ 53.1370, 54.9901,  
70.1009

389.0628,  
405.8744, 479.7029

■ 38.1401, 39.3938,  
51.1315

■ 93.9703, 97.5265,  
121.0351

■ 26.2691, 27.0662,  
35.9358

120.5373,  
125.2353, 153.8370

■ 17.1588, 17.6230,  
24.0953

151.6918,  
157.7504, 192.0867

■ 10.4438, 10.6796,  
15.1915

187.7990,  
195.4562, 236.2029

■ 5.7587, 5.8518,  
8.8058

229.2244,  
238.7372, 286.6041

■ 2.7382, 2.7552,  
4.5196

276.3332,

■ 1.0169, 1.0053,

287.9776, 343.7088

1.9145

329.4909,  
343.5618, 407.9355

■ 0.0000, 0.0000,  
0.5020

■ 0.0000, 0.0000,  
0.0000

■ 53.1370, 54.9901,  
70.1009

■ 53.1370, 54.9901,  
70.1009

■ 44.3548, 44.8283,  
68.6032

■ 63.1828, 66.5293,  
71.7996

■ 36.7812, 35.9856,  
67.2956

■ 74.5346, 79.4879,  
73.7025

■ 30.3643, 28.4096,  
66.1715

■ 87.0170, 93.7999,  
75.8071

■ 25.0463, 22.0416,  
65.2226

■ 88.8838, 97.5335,  
76.4294

■ 20.7649, 16.8183,  
64.4401

■ 17.4508, 12.6708,  
63.8142

■ 15.0264, 9.5220,  
63.3342

■ 13.4016, 7.2846,  
62.9880

■ 12.4385, 5.8406,  
62.7600

# Harmonies

## Analogous

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



51.3295, 54.9901, 70.0355



53.1370, 54.9901, 70.1009



54.7468, 54.9901, 67.3187

# Triad

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



53.1370, 54.9901, 70.1009



54.8048, 54.9901, 53.1496



48.9740, 54.9901, 57.2158

# Complementary

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



53.1370, 54.9901, 70.1009



59.4666, 63.4035, 58.9741

# 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.



49.8622, 54.9901, 53.0010



53.1370, 54.9901, 70.1009



53.2147, 54.9901, 50.7478

# Square

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



53.1370, 54.9901, 70.1009



55.7247, 54.9901, 57.4294



51.4054, 54.9901, 50.6951



48.9543, 54.9901, 62.3888



# Rectangle

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



53.1370, 54.9901, 70.1009



55.4794, 54.9901, 64.3116



51.4054, 54.9901, 50.6951



49.1799, 54.9901, 55.6470

# Sweetspot

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



53.1386, 54.9924, 70.1021



90.2522, 94.4996, 108.0912



56.7501, 62.8814, 69.2526



19.0498, 19.9193, 23.0907



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.



53.1386, 54.9924, 70.1021



78.3338, 80.7848, 106.0721



54.1992, 54.5504, 69.9609



11.8916, 12.3066, 15.6862



7.6981, 3.6579, 38.7535



0.5131, 0.3183, 2.3537

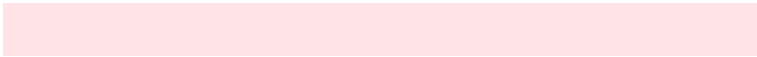


# Inverse Universe

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



55.8526, 55.6377, 59.4277



83.1420, 81.9495, 87.1564



58.3278, 63.9203, 59.1339



12.4985, 12.4509, 13.2993



16.9445, 8.7141, 1.7458

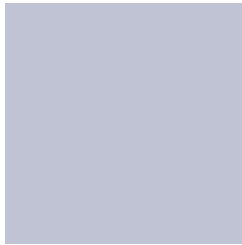


1.0467, 0.5355, 0.2351



# Previews

## White Background



This preview shows how the XYZ color 53.1370, 54.9901, 70.1009 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

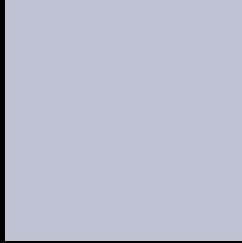
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.1370, 54.9901, 70.1009 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

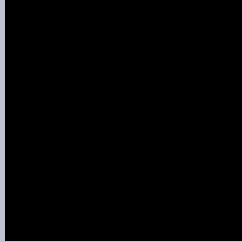
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.1370, 54.9901, 70.1009**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.1370, 54.9901, 70.1009.



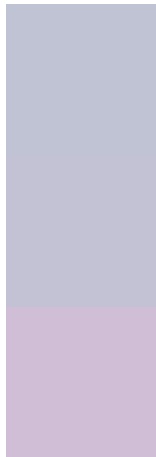
This preview shows how white text looks on a background with the XYZ color 53.1370, 54.9901,



# 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

53.1370, 54.9901, 70.1009

### Protanopia

53.4236, 54.8064, 70.0503

### Deuteranopia

56.1558, 54.8964, 70.5871



## Tritanopia

53.0112, 54.9398, 69.4385

# Trichromacy



## Original Color

53.1370, 54.9901, 70.1009

## Protanomaly

53.1678, 54.6745, 70.0383

## Deuteranomaly

55.2170, 55.0599, 70.6682

## Tritanomaly

53.0112, 54.9398, 69.4385

# Monochromacy



## Original Color

53.1370, 54.9901, 70.1009

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

52.9063, 55.3462, 63.7715

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1370, 54.9901, 70.1009 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(192, 195, 212)` looks like.

```
.text, #text, p{  
    color:rgb(192, 195, 212)  
}
```

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(192, 195, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 195, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1370, 54.9901, 70.1009 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(192, 195, 212) }
```



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

```
.border{ border-color:rgb(192, 195, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 195, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 195, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 195, 212);  
box-shadow:4px 4px 4px 4px rgb(192, 195,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1370, 54.9901, 70.1009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 195, 212) }
```

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

```
.background{ background-color: rgb(192,  
195, 212) }
```

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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