

# Converting Colors

XYZ(49.3409, 51.5809, 55.3296)

Have a look what the booklet for  
XYZ(49.3409, 51.5809, 55.3296)  
contains.

<b>XYZ(49.3370, 51.7075, 55.5243)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(49.3370, 51.7075,  
55.5243)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0BEED
RGB	192, 190, 189
RGB Percent	75%, 75%, 74%
CMY	0.2471, 0.2549, 0.2588
CMYK	0.00, 0.01, 0.02, 0.25
HSL	20°, 2%, 75%
HSV	20°, 2%, 75%
XYZ	49.3370, 51.7075, 55.5243
YIQ	190.4840, 1.5130, 0.1130

# Conversions

## Conversions Part 2

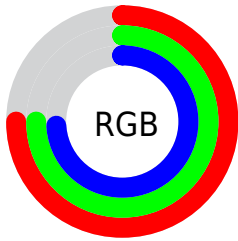
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 191, 189
Decimal	12631741
CIE Lab	77.11, 0.52, 0.74
CIE LCh	77, 0.904, 55.052
Yxy	51.7075, 0.3151, 0.3303
Android (android.graphics.Color)	4290821821 (0xFFC0BEBD)
YUV	190.4840, -0.7316, 1.3295
Hunter-Lab	71.9079, -3.3676, 4.5543

# Details

The XYZ color **49.3370, 51.7075, 55.5243** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.1315, 51.8855, 57.2953**, and the grayscale version is **49.2274, 51.7910, 56.4004**.

A 20% lighter version of the original color is **88.1486, 92.4606, 99.5869**, and **24.0371, 25.1579, 26.8816** is the 20% darker color. If you saturate the color by 10%, you get **44.7422, 45.6349, 44.3819**, and if you desaturate by 10%, it is **54.4534, 58.3803, 68.2031**.

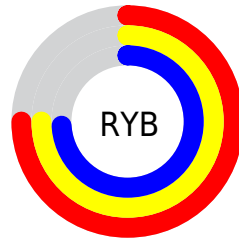
# Distribution



Red (75%)

Green (75%)

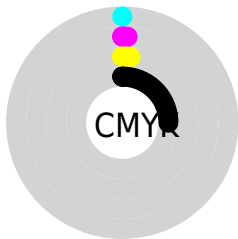
Blue (74%)



Red (75%)

Yellow (75%)

Blue (74%)

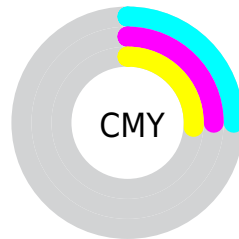


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3370, 51.7075, 55.5243 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 49.3370, 51.7075, 55.5243 by changing the saturation by 10% instead.



■ 49.3370, 51.7075,  
55.5243

■ 49.3370, 51.7075,  
55.5243

374.5625,  
393.3064, 425.2341

■ 35.1025, 36.7720,  
39.4202

■ 88.3895, 92.6997,  
99.7876

■ 23.9087, 25.0310,  
26.7764

113.9382,  
119.5252, 128.7838

■ 15.3903, 16.1001,  
17.1744

143.9890,  
151.0828, 162.9145

■ 9.1819, 9.5950,  
10.1957

178.9073,  
187.7569, 202.5983

■ 4.9181, 5.1313,  
5.4216

219.0585,  
229.9319, 248.2536

■ 2.2335, 2.3245,  
2.4337

264.8078,

■ 0.7603, 0.7866,

277.9923, 300.2989

0.8047

316.5207,  
332.3223, 359.1530

■ 0.0000, 0.0000,  
0.0000

■ 49.3370, 51.7075,  
55.5243

■ 49.3370, 51.7075,  
55.5243

■ 44.7422, 45.6349,  
44.3819

■ 54.4534, 58.3803,  
68.2031

■ 40.6477, 40.1392,  
34.7139

■ 60.1031, 65.6626,  
82.4704

■ 37.0370, 35.2051,  
26.4587

■ 66.3030, 73.5722,  
98.3801

■ 33.8910, 30.8141,  
19.5494

■ 71.2794, 81.4083,  
106.5643

■ 31.1893, 26.9469,  
13.9135

■ 75.1983, 89.2461,  
107.8706

■ 28.9101, 23.5827,  
9.4716

■ 75.5486, 89.9466,  
107.9873

■ 27.0290, 20.6994,  
6.1352

■ 25.5191, 18.2728,  
3.8034

■ 24.3493, 16.2761,  
2.3563

# Harmonies

## Analogous

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



49.4480, 51.7075, 55.8987



49.3370, 51.7075, 55.5243



49.1751, 51.7075, 55.3580

# Triad

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



49.3370, 51.7075, 55.5243



48.8161, 51.7075, 56.2186



49.2873, 51.7075, 57.1671

# Complementary

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



49.3370, 51.7075, 55.5243



49.1315, 51.8855, 57.2953

# 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.



49.1178, 51.7075, 57.2540



49.3370, 51.7075, 55.5243



48.8460, 51.7075, 56.7046

# Square

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



49.3370, 51.7075, 55.5243



48.8746, 51.7075, 55.7574



48.9563, 51.7075, 57.0843



49.4193, 51.7075, 56.8475



# Rectangle

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



49.3370, 51.7075, 55.5243



49.0602, 51.7075, 55.3868



48.9563, 51.7075, 57.0843



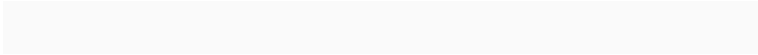
49.2328, 51.7075, 57.2246

# Sweetspot

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



49.3385, 51.7097, 55.5254



90.7827, 95.5105, 104.0109



49.3405, 51.3640, 56.6047



19.4759, 20.4902, 22.3138



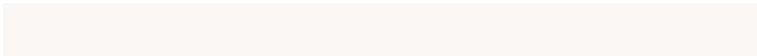
92.9021, 97.7402, 106.4391

# Same Dimension

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



49.3385, 51.7097, 55.5254



88.9855, 93.1531, 99.5981



49.6643, 52.3614, 55.6340



11.1303, 11.6562, 12.4807



15.9340, 10.1538, 1.1201



0.7527, 0.5672, 0.0698



# Inverse Universe

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



49.1315, 51.8855, 57.2953



88.4993, 93.5661, 103.7559



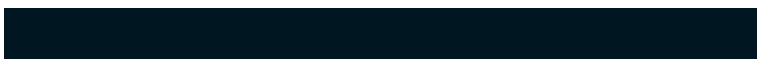
48.8068, 51.2361, 57.1871



11.0743, 11.7038, 12.9602



11.6518, 13.0601, 35.4633

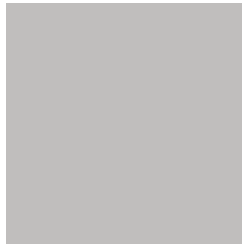


0.5647, 0.6869, 1.5527



# Previews

## White Background



This preview shows how the XYZ color 49.3370, 51.7075, 55.5243 looks on a white background.

## Color Contrast Check

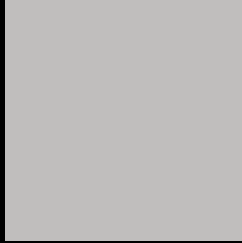
Large Text (above 18pt) WCAG AA × Fail

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 49.3370, 51.7075, 55.5243 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

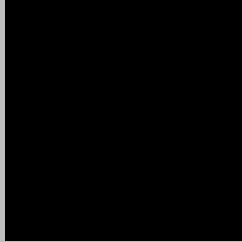
Any Text WCAG AAA ✓ Pass

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

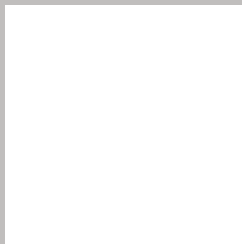


**XYZ 49.3370, 51.7075, 55.5243**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.3370, 51.7075, 55.5243.



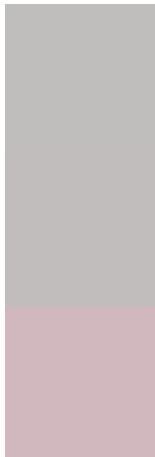
This preview shows how white text looks on a background with the XYZ color 49.3370, 51.7075,



# 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

49.3370, 51.7075, 55.5243

### Protanopia

49.6310, 51.5386, 55.4762

### Deuteranopia

52.7292, 51.5540, 55.8870



## Tritanopia

51.0108, 51.7476, 63.7996

# Trichromacy



## Original Color

49.3370, 51.7075, 55.5243

## Protanomaly

49.3752, 51.4068, 55.4643

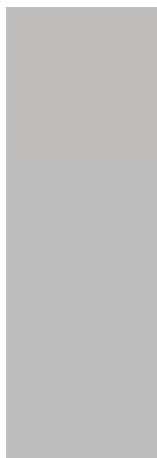
## Deuteranomaly

51.4818, 51.5320, 55.9485

## Tritanomaly

50.3830, 51.8099, 60.7709

# Monochromacy



## Original Color

49.3370, 51.7075, 55.5243

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

49.1936, 51.6210, 56.0863

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.3370, 51.7075, 55.5243 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, 190, 189)` looks like.

```
.text, #text, p{  
    color:rgb(192, 190, 189)  
}
```

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, 190, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 190, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 49.3370, 51.7075, 55.5243 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, 190, 189) }
```

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

```
.border{ border-color:rgb(192, 190, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 190, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 190, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 190, 189);  
box-shadow:4px 4px 4px 4px rgb(192, 190,  
189) }
```



# Background

The CSS property to change the background color of an element to XYZ 49.3370, 51.7075, 55.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 190, 189) }
```

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

```
.background{ background-color: rgb(192,  
190, 189) }
```

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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