

# Converting Colors

XYZ(51.5896, 55.3083, 55.1359)

Have a look what the booklet for  
XYZ(51.5896, 55.3083, 55.1359)  
contains.

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# **Color**

**XYZ(51.4416, 55.1225,  
54.9421)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3C5BB
RGB	195, 197, 187
RGB Percent	76%, 77%, 73%
CMY	0.2353, 0.2274, 0.2667
CMYK	0.01, 0.00, 0.05, 0.23
HSL	72°, 8%, 75%
HSV	72°, 5%, 77%
XYZ	51.4416, 55.1225, 54.9421
YIQ	195.2620, 2.0180, -3.5340

# Conversions

## Conversions Part 2

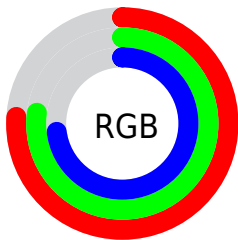
Format	Color
R <sub>Y</sub> B	187, 197, 189
Decimal	12830139
CIE Lab	79.11, -2.49, 4.76
CIE LCh	79, 5.375, 117.657
Yxy	55.1225, 0.3185, 0.3413
Android (android.graphics.Color)	4291020219 (0xFFC3C5BB)
YUV	195.2620, -4.0732, -0.2298
Hunter-Lab	74.2445, -6.2511, 8.0957

# Details

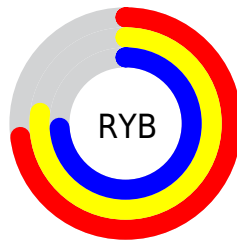
The XYZ color **51.4416, 55.1225, 54.9421** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.8367, 50.3921, 59.9789**, and the grayscale version is **52.0520, 54.7627, 59.6366**.

A 20% lighter version of the original color is **91.7644, 98.0501, 98.8831**, and **25.1100, 27.0289, 26.4479** is the 20% darker color. If you saturate the color by 10%, you get **48.4700, 53.8194, 44.5388**, and if you desaturate by 10%, it is **54.7326, 56.5600, 66.8730**.

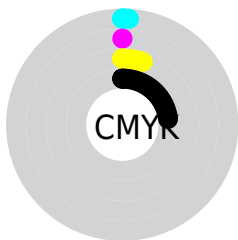
# Distribution



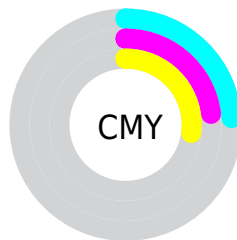
- Red (76%)
- Green (77%)
- Blue (73%)



- Red (73%)
- Yellow (77%)
- Blue (74%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)



- Cyan (24%)
- Magenta (23%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4416, 55.1225, 54.9421 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 51.4416, 55.1225, 54.9421 by changing the saturation by 10% instead.



■ 51.4416, 55.1225,  
54.9421

■ 51.4416, 55.1225,  
54.9421

382.6365,  
406.3761, 422.9682

■ 36.7826, 39.4998,  
38.9571

■ 91.4863, 97.7204,  
98.9264

■ 25.2121, 27.1488,  
26.4188

117.6028,  
125.4644, 127.7628

■ 16.3648, 17.6850,  
16.9086

148.2691,  
158.0177, 161.7200

■ 9.8751, 10.7241,  
10.0081

183.8507,  
195.7645, 201.2167

■ 5.3779, 5.8816,  
5.2986

224.7129,  
239.0894, 246.6713

■ 2.5076, 2.7732,  
2.3617

271.2210,

■ 0.8991, 1.0145,

288.3767, 298.5024

0.7655

323.7404,  
344.0108, 357.1285

■ 0.0000, 0.0000,  
0.0000

■ 51.4416, 55.1225,  
54.9421

■ 51.4416, 55.1225,  
54.9421

■ 48.4700, 53.8194,  
44.5388

■ 54.7326, 56.5600,  
66.8730

■ 45.8014, 52.6388,  
35.5977

■ 58.3496, 58.1293,  
80.3860

■ 43.4244, 51.5779,  
28.0544

■ 62.3048, 59.8370,  
95.5374

■ 41.3255, 50.6313,  
21.8378

■ 64.8197, 60.9718,  
102.9601

■ 39.4898, 49.7930,  
16.8709

■ 65.9626, 61.5610,  
103.0136

■ 37.9010, 49.0565,  
13.0687

■ 67.1335, 62.1646,  
103.0684

■ 36.5406, 48.4142,  
10.3356

■ 68.3325, 62.7827,  
103.1245

■ 35.3874, 47.8579,  
8.5607

■ 69.5599, 63.4155,  
103.1819

■ 34.4156, 47.3769,  
7.6092

■ 70.8157, 64.0629,  
103.2407

# Harmonies

## Analogous

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



52.4766, 55.1225, 54.3135



51.4416, 55.1225, 54.9421



50.6706, 55.1225, 56.9168

# Triad

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



51.4416, 55.1225, 54.9421



51.2976, 55.1225, 65.1443



54.4783, 55.1225, 60.2606

# Complementary

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



51.4416, 55.1225, 54.9421



48.8367, 50.3921, 59.9789

# Split Complementary

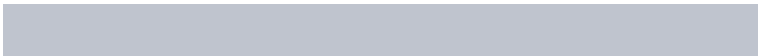
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.1526, 55.1225, 63.2320



51.4416, 55.1225, 54.9421



52.3081, 55.1225, 66.1108

# Square

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



51.4416, 55.1225, 54.9421



50.5882, 55.1225, 62.8002



53.3546, 55.1225, 65.3995



54.2388, 55.1225, 57.3212



# Rectangle

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



51.4416, 55.1225, 54.9421



50.4050, 55.1225, 58.7663



53.3546, 55.1225, 65.3995



54.4312, 55.1225, 61.2894

# Sweetspot

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



51.4431, 55.1249, 54.9433



93.8648, 99.4826, 104.6152



50.1951, 51.8550, 54.3779



20.1034, 21.2988, 22.4368



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.



51.4431, 55.1249, 54.9433



91.5652, 98.4769, 96.3865



50.1729, 54.4701, 54.8839



11.5008, 12.3902, 12.0229



22.4174, 31.0519, 4.8121



1.1159, 1.4984, 0.2304



# Inverse Universe

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



48.8367, 50.3921, 59.9789



86.0028, 88.3765, 107.1333



50.0983, 51.0425, 60.0380



10.7474, 11.0222, 13.4785



7.2461, 2.9697, 34.9357



0.4034, 0.1717, 1.6570



# Previews

## White Background



This preview shows how the XYZ color 51.4416, 55.1225, 54.9421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

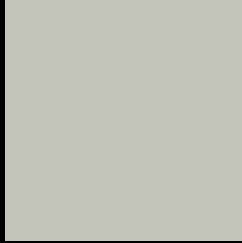
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4416, 55.1225, 54.9421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

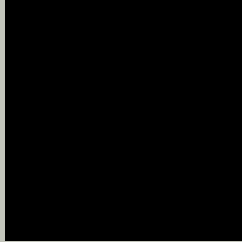
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

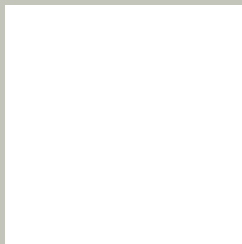
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.4416, 55.1225, 54.9421

## Background



This preview shows how black text looks on a background with the XYZ color 51.4416, 55.1225, 54.9421.



This preview shows how white text looks on a background with the XYZ color 51.4416, 55.1225,



# 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

51.4416, 55.1225, 54.9421

### Protanopia

52.7352, 55.1319, 54.3165

### Deuteranopia

55.9982, 54.8210, 55.7742



## Tritanopia

54.0891, 55.1928, 68.1241

# Trichromacy



## Original Color

51.4416, 55.1225, 54.9421

## Protanomaly

52.1560, 55.1671, 54.3538

## Deuteranomaly

54.2212, 54.8854, 55.3131

## Tritanomaly

53.0837, 55.1176, 63.0993

# Monochromacy



## Original Color

51.4416, 55.1225, 54.9421

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.7600, 54.8877, 57.7355

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4416, 55.1225, 54.9421 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(195, 197, 187)` looks like.

```
.text, #text, p{  
    color:rgb(195, 197, 187)  
}
```

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(195, 197, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 197, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4416, 55.1225, 54.9421 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(195, 197, 187) }
```



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

```
.border{ border-color:rgb(195, 197, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 197, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 197, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 197, 187);  
box-shadow:4px 4px 4px 4px rgb(195, 197,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4416, 55.1225, 54.9421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 197, 187) }
```

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

```
.background{ background-color: rgb(195,  
197, 187) }
```

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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