

# Converting Colors

XYZ(50.3727, 55.8042, 53.7635)

Have a look what the booklet for  
XYZ(50.3727, 55.8042, 53.7635)  
contains.

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# Color

**XYZ(50.6299, 56.0949,  
54.0579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC9B9
RGB	189, 201, 185
RGB Percent	74%, 79%, 73%
CMY	0.2588, 0.2117, 0.2745
CMYK	0.06, 0.00, 0.08, 0.21
HSL	105°, 13%, 76%
HSV	105°, 8%, 79%
XYZ	50.6299, 56.0949, 54.0579
YIQ	195.5880, -2.0160, -7.5200

# Conversions

## Conversions Part 2

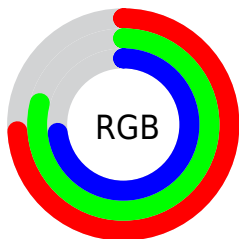
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 201, 197
Decimal	12437945
CIELab	79.67, -7.05, 6.58
CIELCh	80, 9.639, 136.967
Yxy	56.0949, 0.3149, 0.3489
Android (android.graphics.Color)	4290628025 (0xFFBDC9B9)
YUV	195.5880, -5.2199, -5.7777
Hunter-Lab	74.8965, -10.4033, 9.6340

# Details

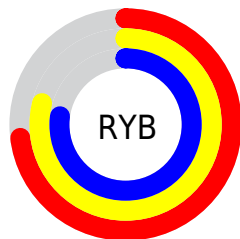
The XYZ color **50.6299, 56.0949, 54.0579** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.9197, 50.7869, 62.3803**, and the grayscale version is **52.2551, 54.9764, 59.8693**.

A 20% lighter version of the original color is **89.2934, 97.2834, 97.2904**, and **24.7519, 27.7676, 25.8849** is the 20% darker color. If you saturate the color by 10%, you get **45.1090, 53.4785, 43.4950**, and if you desaturate by 10%, it is **56.8427, 59.0366, 66.2215**.

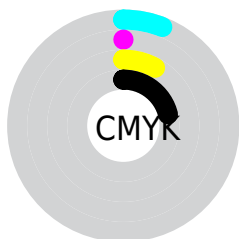
# Distribution



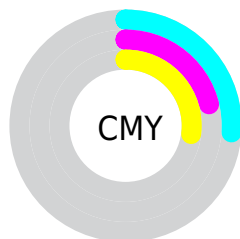
- Red (74%)
- Green (79%)
- Blue (73%)



- Red (73%)
- Yellow (79%)
- Blue (77%)



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (21%)



- Cyan (26%)
- Magenta (21%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6299, 56.0949, 54.0579 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 50.6299, 56.0949, 54.0579 by changing the saturation by 10% instead.



■ 50.6299, 56.0949,  
54.0579

■ 50.6299, 56.0949,  
54.0579

379.5355,  
410.0490, 419.5116

■ 36.1340, 40.2790,  
38.2545

■ 90.2937, 99.1433,  
97.6165

■ 24.7083, 27.7562,  
25.8769

116.1923,  
127.1446, 126.2088

■ 15.9874, 18.1419,  
16.5066

146.6226,  
159.9766, 159.9010

■ 9.6060, 11.0519,  
9.7251

181.9498,  
198.0235, 199.1119

■ 5.1988, 6.1018,  
5.1139

222.5394,  
241.6698, 244.2598

■ 2.4003, 2.9071,  
2.2543

268.7566,

■ 0.8453, 1.0834,

291.2999, 295.7634

0.7055

320.9669,  
347.2982, 354.0411

■ 0.0000, 0.0000,  
0.0000

■ 50.6299, 56.0949,  
54.0579

■ 50.6299, 56.0949,  
54.0579

■ 45.1090, 53.4785,  
43.4950

■ 56.8427, 59.0366,  
66.2215

■ 40.2511, 51.1691,  
34.4627

■ 63.7660, 62.3069,  
80.0447

■ 36.0319, 49.1572,  
26.8910

■ 71.4232, 65.9182,  
95.5880

■ 32.4239, 47.4304,  
20.7031

■ 78.1146, 69.1919,  
103.8460

■ 29.3974, 45.9752,  
15.8151

■ 80.1777, 70.2555,  
103.9426

■ 26.9201, 44.7771,  
12.1342

■ 24.9564, 43.8198,  
9.5551

■ 23.4657, 43.0852,  
7.9545

■ 22.3948, 42.5498,  
7.1503

# Harmonies

## Analogous

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



52.2328, 56.0949, 51.3976



50.6299, 56.0949, 54.0579



49.7562, 56.0949, 58.6947

# Triad

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



50.6299, 56.0949, 54.0579



52.4778, 56.0949, 72.1154



56.9733, 56.0949, 58.0059

# Complementary

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



50.6299, 56.0949, 54.0579



50.9197, 50.7869, 62.3803

# 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.



57.0428, 56.0949, 63.5246



50.6299, 56.0949, 54.0579



54.4151, 56.0949, 71.9030

# Square

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



50.6299, 56.0949, 54.0579



50.8055, 56.0949, 69.2442



56.0965, 56.0949, 68.6806



55.9090, 56.0949, 53.5801



# Rectangle

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



50.6299, 56.0949, 54.0579



49.6906, 56.0949, 62.3859



56.0965, 56.0949, 68.6806



57.1147, 56.0949, 59.7881

# Sweetspot

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



50.6314, 56.0973, 54.0591



92.8463, 98.9575, 104.5675



52.8129, 55.8553, 53.8974



19.8960, 21.1919, 22.4271



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

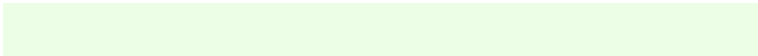


# Same Dimension

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



50.6314, 56.0973, 54.0591



84.5228, 95.0163, 88.3805



50.0813, 55.7642, 56.2695



10.7417, 12.0138, 11.3155



14.0388, 26.7326, 4.4200



0.7335, 1.3012, 0.2125



# Inverse Universe

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



50.9197, 50.7869, 62.3803



85.1419, 83.6069, 106.2580



51.5164, 51.1481, 59.9831



10.8142, 10.6780, 13.4086



14.7132, 6.8192, 35.2851



0.7600, 0.3555, 1.6737



# Previews

## White Background



This preview shows how the XYZ color 50.6299, 56.0949, 54.0579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

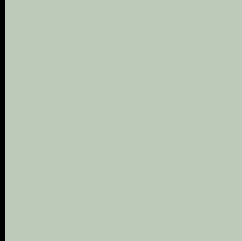
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.6299, 56.0949, 54.0579 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

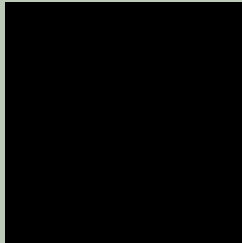
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

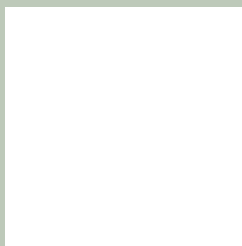
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.6299, 56.0949, 54.0579**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.6299, 56.0949, 54.0579.



This preview shows how white text looks on a background with the XYZ color 50.6299, 56.0949,



# 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

50.6299, 56.0949, 54.0579

### Protanopia

53.4153, 56.1888, 52.8300

### Deuteranopia

57.1156, 56.0651, 54.8250



## Tritanopia

53.9688, 56.0741, 70.9297

# Trichromacy



## Original Color

50.6299, 56.0949, 54.0579

## Protanomaly

52.3990, 55.9910, 53.3930

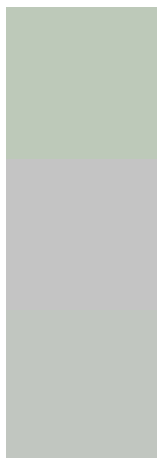
## Deuteranomaly

54.6725, 56.1307, 54.4071

## Tritanomaly

52.7118, 55.9064, 64.5127

# Monochromacy



## Original Color

50.6299, 56.0949, 54.0579

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

51.7008, 55.5314, 57.8629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6299, 56.0949, 54.0579 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(189, 201, 185)` looks like.

```
.text, #text, p{  
    color:rgb(189, 201, 185)  
}
```

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(189, 201, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 201, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 50.6299, 56.0949, 54.0579 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(189, 201, 185) }
```



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

```
.border{ border-color:rgb(189, 201, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 201, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 201, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 201, 185); box-shadow:4px 4px 4px 4px rgb(189, 201, 185) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.6299, 56.0949, 54.0579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 201, 185) }
```

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

```
.background{ background-color: rgb(189,  
201, 185) }
```

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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