

# Converting Colors

XYZ(55.9830, 61.2773, 51.8287)

Have a look what the booklet for  
XYZ(55.9830, 61.2773, 51.8287)  
contains.

<b>XYZ(55.9709, 61.3862, 52.0787)</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(55.9709, 61.3862,  
52.0787)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDD0B4
RGB	205, 208, 180
RGB Percent	80%, 82%, 71%
CMY	0.1961, 0.1843, 0.2941
CMYK	0.01, 0.00, 0.13, 0.18
HSL	66°, 23%, 76%
HSV	66°, 13%, 82%
XYZ	55.9709, 61.3862, 52.0787
YIQ	203.9110, 7.2000, -9.3440

# Conversions

## Conversions Part 2

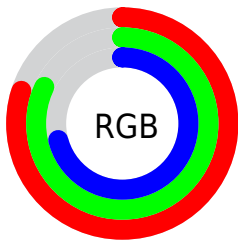
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 208, 183
Decimal	13488308
CIELab	82.59, -5.85, 13.57
CIELCh	83, 14.772, 113.311
Yxy	61.3862, 0.3303, 0.3623
Android (android.graphics.Color)	4291678388 (0xFFCDD0B4)
YUV	203.9110, -11.7881, 0.9551
Hunter-Lab	78.3493, -9.5952, 15.4346

# Details

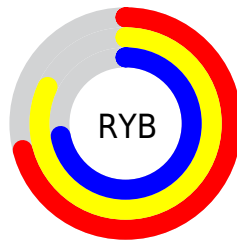
The XYZ color **55.9709, 61.3862, 52.0787** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.2373, 47.2655, 66.3114**, and the grayscale version is **57.4086, 60.3983, 65.7738**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **28.1489, 31.2228, 24.6217** is the 20% darker color. If you saturate the color by 10%, you get **53.3983, 60.2886, 41.7149**, and if you desaturate by 10%, it is **58.8736, 62.6209, 64.1204**.

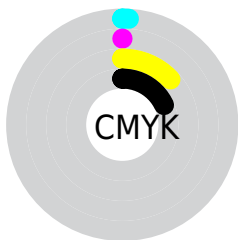
# Distribution



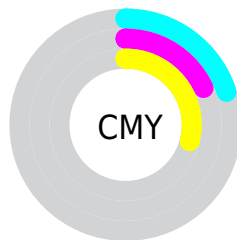
- Red (80%)
- Green (82%)
- Blue (71%)



- Red (71%)
- Yellow (82%)
- Blue (72%)



- Cyan (1%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)



- Cyan (20%)
- Magenta (18%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9709, 61.3862, 52.0787 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 55.9709, 61.3862, 52.0787 by changing the saturation by 10% instead.



■ 55.9709, 61.3862,  
52.0787

■ 55.9709, 61.3862,  
52.0787

399.6586,  
429.6886, 411.7060

■ 40.4165, 44.5369,  
36.6851

■ 98.1021, 106.8379,  
94.6751

■ 28.0491, 31.0928,  
24.6699

125.4096,  
136.2092, 122.7149

■ 18.5033, 20.6695,  
15.6145

157.3655,  
170.5232, 155.8073

■ 11.4138, 12.8827,  
9.1004

194.3352,  
210.1643, 194.3708

■ 6.4152, 7.3478,  
4.7090

236.6840,  
255.5171, 238.8238

■ 3.1422, 3.6805,  
2.0218

284.7772,

■ 1.2294, 1.4965,

306.9658, 289.5850

0.5687

338.9803,  
364.8948, 347.0729

■ 0.1294, 0.2863,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.9709, 61.3862,  
52.0787

■ 55.9709, 61.3862,  
52.0787

■ 53.3983, 60.2886,  
41.7149

■ 58.8736, 62.6209,  
64.1204

■ 51.1368, 59.3144,  
32.9507

■ 62.1148, 63.9901,  
77.9058

■ 49.1727, 58.4601,  
25.7074

■ 65.7086, 65.5013,  
93.5020

■ 47.4896, 57.7193,  
19.8983

■ 68.3176, 66.6196,  
103.8659

■ 46.0692, 57.0845,  
15.4276

■ 68.9732, 66.9575,  
103.8966

■ 44.8911, 56.5477,  
12.1882

■ 69.6377, 67.3001,  
103.9277

■ 43.9319, 56.0994,  
10.0564

■ 70.3113, 67.6473,  
103.9592

■ 43.1631, 55.7282,  
8.8830

■ 70.9938, 67.9992,  
103.9911

■ 42.7311, 55.5143,  
8.4632

■ 71.6854, 68.3558,  
104.0235

# Harmonies

## Analogous

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



59.0574, 61.3862, 50.9825



55.9709, 61.3862, 52.0787



53.6012, 61.3862, 56.9586

# Triad

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



55.9709, 61.3862, 52.0787



54.7852, 61.3862, 81.8094



64.6001, 61.3862, 68.8897

# Complementary

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



55.9709, 61.3862, 52.0787



47.2373, 47.2655, 66.3114

# 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.



63.3623, 61.3862, 77.8009



55.9709, 61.3862, 52.0787



57.6398, 61.3862, 85.6836

# Square

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



55.9709, 61.3862, 52.0787



52.9342, 61.3862, 73.9748



60.7868, 61.3862, 84.1542



64.1141, 61.3862, 60.1778



# Rectangle

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



55.9709, 61.3862, 52.0787



52.7093, 61.3862, 61.9585



60.7868, 61.3862, 84.1542



64.3704, 61.3862, 71.9696

# Sweetspot

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



55.9726, 61.3889, 52.0800



93.0494, 99.1534, 100.4605



51.1449, 50.4913, 50.2310



19.8380, 21.1897, 21.1738



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

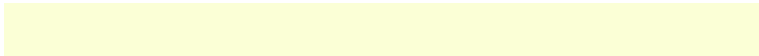


# Same Dimension

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



55.9726, 61.3889, 52.0800



87.5709, 96.8244, 77.8258



52.3325, 59.5124, 51.9097



12.6733, 13.7305, 12.5943



26.6804, 34.6232, 5.2767



1.5284, 1.9548, 0.2968



# Inverse Universe

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



47.2373, 47.2655, 66.3114



71.2337, 70.4091, 104.4436



50.6820, 49.0413, 66.4726



11.2797, 11.4775, 14.8645



7.3464, 2.9675, 37.3781

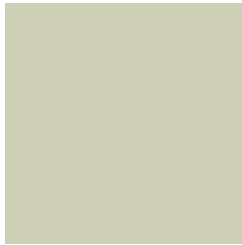


0.4516, 0.1870, 2.0919



# Previews

## White Background



This preview shows how the XYZ color 55.9709, 61.3862, 52.0787 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 55.9709, 61.3862, 52.0787 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

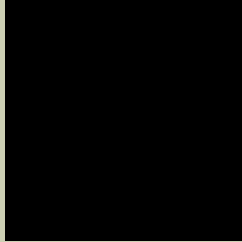
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

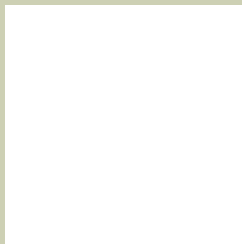
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.9709, 61.3862, 52.0787**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9709, 61.3862, 52.0787.



This preview shows how white text looks on a background with the XYZ color 55.9709, 61.3862,



# 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

55.9709, 61.3862, 52.0787

### Protanopia

57.8915, 61.3241, 50.9050

### Deuteranopia

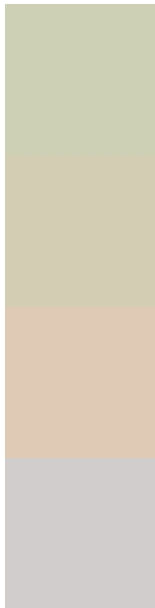
62.5693, 61.2580, 52.7822



## Tritanopia

60.5892, 61.4755, 75.0022

# Trichromacy



## Original Color

55.9709, 61.3862, 52.0787

## Protanomaly

57.0720, 61.2462, 51.4615

## Deuteranomaly

59.8924, 61.2652, 52.3848

## Tritanomaly

58.7428, 61.4322, 65.8883

# Monochromacy



## Original Color

55.9709, 61.3862, 52.0787

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

56.5835, 60.4401, 60.3136

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9709, 61.3862, 52.0787 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(205, 208, 180) looks like.

```
.text, #text, p{  
    color:rgb(205, 208, 180)  
}
```

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(205, 208, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 208, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9709, 61.3862, 52.0787 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(205, 208, 180) }
```



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

```
.border{ border-color:rgb(205, 208, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 208, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 208, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 208, 180);  
box-shadow:4px 4px 4px 4px rgb(205, 208,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9709, 61.3862, 52.0787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 208, 180) }
```

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

```
.background{ background-color: rgb(205,  
208, 180) }
```

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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