

# Converting Colors

XYZ(52.9227, 59.7424, 39.0118)

Have a look what the booklet for  
XYZ(52.9227, 59.7424, 39.0118)  
contains.

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# Color

**XYZ(52.9644, 59.7629,  
38.8809)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCCCF99
RGB	204, 207, 153
RGB Percent	80%, 81%, 60%
CMY	0.2000, 0.1882, 0.4000
CMYK	0.01, 0.00, 0.26, 0.19
HSL	63°, 36%, 71%
HSV	63°, 26%, 81%
XYZ	52.9644, 59.7629, 38.8809
YIQ	199.9470, 15.5460, -17.4300

# Conversions

## Conversions Part 2

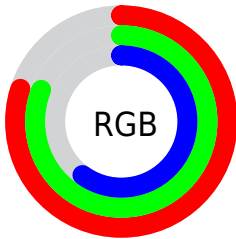
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 207, 156
Decimal	13422489
CIELab	81.71, -9.71, 26.57
CIELCh	82, 28.291, 110.070
Yxy	59.7629, 0.3494, 0.3942
Android (android.graphics.Color)	4291612569 (0xFFCCCCF99)
YUV	199.9470, -23.1449, 3.5545
Hunter-Lab	77.3065, -12.9920, 24.2949

# Details

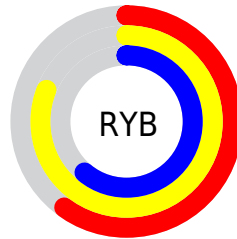
The XYZ color **52.9644, 59.7629, 38.8809** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.3664, 34.3570, 63.7497**, and the grayscale version is **54.9997, 57.8639, 63.0138**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **26.1839, 30.1313, 17.0063** is the 20% darker color. If you saturate the color by 10%, you get **51.0869, 58.9776, 30.6294**, and if you desaturate by 10%, it is **55.1439, 60.6734, 48.6973**.

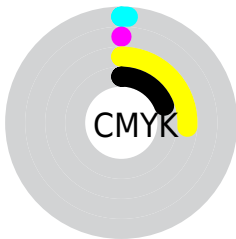
# Distribution



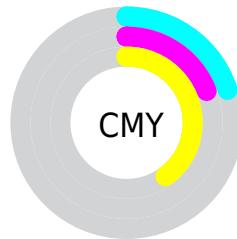
- Red (80%)
- Green (81%)
- Blue (60%)



- Red (60%)
- Yellow (81%)
- Blue (61%)



- Cyan (1%)
- Magenta (0%)
- Yellow (26%)
- Black (19%)




- Cyan (20%)
- Magenta (19%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9644, 59.7629, 38.8809 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 52.9644, 59.7629, 38.8809 by changing the saturation by 10% instead.





 52.9644, 59.7629,  
38.8809


 52.9644, 59.7629,  
38.8809


388.4116,  
423.7233, 356.7947

 38.0017, 43.2276,  
26.3600


 93.7178, 104.4856,  
74.6747

 26.1612, 30.0637,  
16.8650


 120.2393,  
133.4418, 98.7846

 17.0776, 19.8869,  
9.9773

151.3443,  
167.3071, 127.5946

 10.3855, 12.3129,  
5.2785

187.3984,  
206.4658, 161.5232

 5.7195, 6.9571,  
2.3500

228.7668,  
251.3024, 200.9890

 2.7143, 3.4353,  
0.7590

275.8149,

 1.0046, 1.3630,

302.2013, 246.4105

0.0000

328.9081,  
359.5467, 298.2062

0.0000, 0.1892,  
0.0000

0.0000, 0.0000,  
0.0000

52.9644, 59.7629,  
38.8809

52.9644, 59.7629,  
38.8809

51.0869, 58.9776,  
30.6294

55.1439, 60.6734,  
48.6973

49.4916, 58.3034,  
23.8582

57.6351, 61.7067,  
60.1495

48.1633, 57.7363,  
18.4808

60.4528, 62.8710,  
73.3089

47.0834, 57.2688,  
14.3999

63.6096, 64.1711,  
88.2414

■ 46.2313, 56.8927,  
11.5060

■ 66.8741, 65.5146,  
103.7287

■ 45.5826, 56.5982,  
9.6715

■ 67.2027, 65.6840,  
103.7441

■ 45.1070, 56.3733,  
8.7363

■ 67.5338, 65.8547,  
103.7596

■ 44.9457, 56.2952,  
8.4972

■ 67.8672, 66.0265,  
103.7752

■ 68.2029, 66.1996,  
103.7909

# Harmonies

## Analogous

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



58.7997, 59.7629, 37.8266



52.9644, 59.7629, 38.8809



48.4693, 59.7629, 46.2164

# Triad

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



52.9644, 59.7629, 38.8809



49.7679, 59.7629, 93.5873



68.8409, 59.7629, 70.8900

# Complementary

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



52.9644, 59.7629, 38.8809



36.3664, 34.3570, 63.7497

# Split Complementary

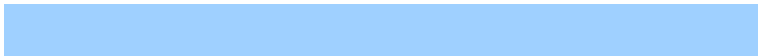
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.0407, 59.7629, 88.4630



52.9644, 59.7629, 38.8809



54.8517, 59.7629, 103.0001

# Square

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



52.9644, 59.7629, 38.8809



46.7151, 59.7629, 76.9828



60.8224, 59.7629, 100.9765



68.2473, 59.7629, 54.4572



# Rectangle

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



52.9644, 59.7629, 38.8809



46.7067, 59.7629, 54.5244



60.8224, 59.7629, 100.9765



68.2582, 59.7629, 76.8982

# Sweetspot

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



52.9659, 59.7656, 38.8822



91.5213, 98.5404, 92.4911



43.3221, 39.2432, 35.4292



19.4555, 21.0362, 19.1793



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.



52.9659, 59.7656, 38.8822



83.2317, 95.0879, 55.0154



46.2647, 56.3110, 38.5686



12.7357, 13.7627, 12.5973



28.3433, 35.4804, 5.3546



1.6050, 1.9943, 0.3003



# Inverse Universe

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



36.3664, 34.3570, 63.7497



52.4692, 47.9963, 101.1065



42.1127, 37.3194, 64.0186



11.2237, 11.4486, 14.8619



7.2131, 2.8988, 37.3718

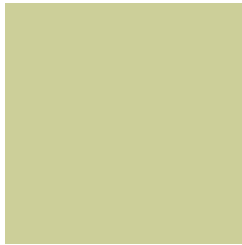


0.4252, 0.1734, 2.0906



# Previews

## White Background



This preview shows how the XYZ color 52.9644, 59.7629, 38.8809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

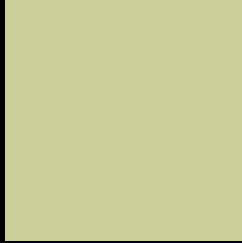
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9644, 59.7629, 38.8809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

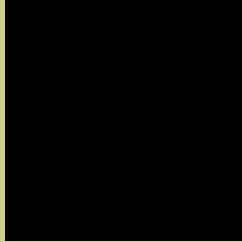
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.9644, 59.7629, 38.8809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.9644, 59.7629, 38.8809.



This preview shows how white text looks on a background with the XYZ color 52.9644, 59.7629,



# 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

52.9644, 59.7629, 38.8809

### Protanopia

55.8553, 59.8517, 37.8868

### Deuteranopia

60.7758, 59.6077, 39.7547



## Tritanopia

59.8405, 59.7502, 72.6690

# Trichromacy



## Original Color

52.9644, 59.7629, 38.8809

## Protanomaly

54.7009, 59.5989, 38.3264

## Deuteranomaly

57.7038, 59.3822, 39.4309

## Tritanomaly

56.9295, 59.6021, 58.3730

# Monochromacy



## Original Color

52.9644, 59.7629, 38.8809

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

53.9906, 58.5483, 53.2551

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9644, 59.7629, 38.8809 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(204, 207, 153)` looks like.

```
.text, #text, p{  
    color:rgb(204, 207, 153)  
}
```

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(204, 207, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 207, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9644, 59.7629, 38.8809 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(204, 207, 153) }
```



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

```
.border{ border-color:rgb(204, 207, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 207, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 207, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 207, 153);  
box-shadow:4px 4px 4px 4px rgb(204, 207,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9644, 59.7629, 38.8809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 207, 153) }
```

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

```
.background{ background-color: rgb(204,  
207, 153) }
```

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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