

# Converting Colors

XYZ(54.4739, 62.5266, 36.4705)

Have a look what the booklet for  
XYZ(54.4739, 62.5266, 36.4705)  
contains.

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# Color

**XYZ(54.4639, 62.4277,  
36.3733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFD492
RGB	207, 212, 146
RGB Percent	81%, 83%, 57%
CMY	0.1882, 0.1686, 0.4274
CMYK	0.02, 0.00, 0.31, 0.17
HSL	65°, 43%, 70%
HSV	65°, 31%, 83%
XYZ	54.4639, 62.4277, 36.3733
YIQ	202.9810, 18.2060, -21.5860

# Conversions

## Conversions Part 2

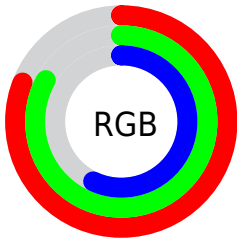
Format	Color
<b>RYB</b>	146, 212, 151
Decimal	13620370
CIELab	83.14, -12.03, 32.16
CIELCh	83, 34.336, 110.511
Yxy	62.4277, 0.3554, 0.4073
Android (android.graphics.Color)	4291810450 (0xFFCFD492)
YUV	202.9810, -28.0916, 3.5247
Hunter-Lab	79.0112, -15.2262, 28.0133

# Details

The XYZ color **54.4639, 62.4277, 36.3733** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.9274, 31.8922, 66.6059**, and the grayscale version is **56.9170, 59.8811, 65.2105**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **27.0714, 31.6156, 15.5021** is the 20% darker color. If you saturate the color by 10%, you get **52.5191, 61.6003, 28.4576**, and if you desaturate by 10%, it is **56.7223, 63.3854, 45.9025**.

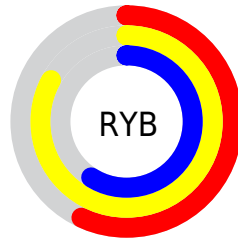
# Distribution



Red (81%)

Green (83%)

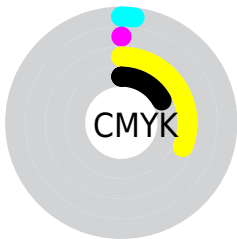
Blue (57%)



Red (57%)

Yellow (83%)

Blue (59%)

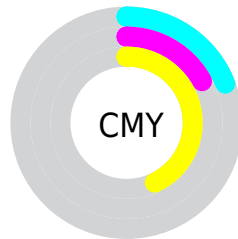


Cyan (2%)

Magenta (0%)

Yellow (31%)

Black (17%)



Cyan (19%)

Magenta (17%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4639, 62.4277, 36.3733 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 54.4639, 62.4277, 36.3733 by changing the saturation by 10% instead.





 54.4639, 62.4277,  
36.3733

 54.4639, 62.4277,  
36.3733


394.0461,  
433.4895, 345.6759

 39.2048, 45.3784,  
24.4307


 95.9080, 108.3434,  
70.7834

 27.1005, 31.7556,  
15.4382


 122.8236,  
137.9786, 94.0879

 17.7857, 21.1749,  
8.9775


154.3555,  
172.5779, 122.0168

 10.8950, 13.2519,  
4.6299

190.8690,  
212.5257, 154.9886

 6.0630, 7.6022,  
1.9769

232.7295,  
258.2064, 193.4219

 2.9245, 3.8415,  
0.5410

280.3022,

 1.1140, 1.5853,

310.0043, 237.7352

0.0000

333.9527,  
368.3039, 288.3470

0.0367, 0.3477,  
0.0000

0.0000, 0.0000,  
0.0000

54.4639, 62.4277,  
36.3733

54.4639, 62.4277,  
36.3733

52.5191, 61.6003,  
28.4576

56.7223, 63.3854,  
45.9025

50.8662, 60.8880,  
22.0623

59.3053, 64.4713,  
57.1236

49.4882, 60.2863,  
17.0909

62.2288, 65.6939,  
70.1146

48.3643, 59.7867,  
13.4341

65.5068, 67.0588,  
84.9475

■ 47.4708, 59.3797,  
10.9669

■ 69.1520, 68.5712,  
101.6903

■ 46.7794, 59.0542,  
9.5402

■ 70.1052, 69.0073,  
104.2325

■ 46.2911, 58.8158,  
8.9128

■ 70.5844, 69.2544,  
104.2550

■ 71.0683, 69.5038,  
104.2776

■ 71.5569, 69.7557,  
104.3005

# Harmonies

## Analogous

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



61.7249, 62.4277, 35.0475



54.4639, 62.4277, 36.3733



48.9679, 62.4277, 45.1101

# Triad

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



54.4639, 62.4277, 36.3733



50.6970, 62.4277, 104.7394



74.5902, 62.4277, 74.9521

# Complementary

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



54.4639, 62.4277, 36.3733



34.9274, 31.8922, 66.6059

# 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.



71.0724, 62.4277, 97.4913



54.4639, 62.4277, 36.3733



57.0089, 62.4277, 116.9079

# Square

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



54.4639, 62.4277, 36.3733



46.9225, 62.4277, 83.3597



64.4896, 62.4277, 114.0090



73.7651, 62.4277, 54.6070



# Rectangle

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



54.4639, 62.4277, 36.3733



46.8479, 62.4277, 55.2026



64.4896, 62.4277, 114.0090



73.8660, 62.4277, 82.5754

# Sweetspot

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



54.4655, 62.4305, 36.3746



90.9352, 98.2804, 90.5584



43.3121, 38.0146, 32.2497



19.3303, 20.9801, 18.7941



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.



54.4655, 62.4305, 36.3746



80.8187, 94.0090, 47.4426



46.3236, 58.2332, 35.9936



13.3756, 14.4698, 13.2487



28.6142, 36.3275, 5.5038



1.7542, 2.2057, 0.3333



# Inverse Universe

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



34.9274, 31.8922, 66.6059



46.8407, 40.8910, 100.0317



41.7882, 35.4290, 66.9270



11.8290, 12.0532, 15.6406



7.5017, 3.0198, 38.6406



0.4836, 0.1982, 2.3321



# Previews

## White Background



This preview shows how the XYZ color 54.4639, 62.4277, 36.3733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

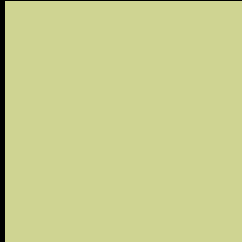
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4639, 62.4277, 36.3733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

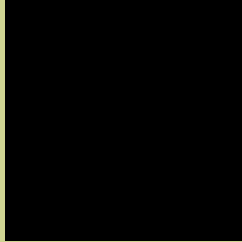
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

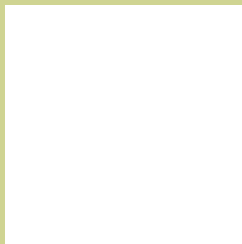
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.4639, 62.4277, 36.3733**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4639, 62.4277, 36.3733.



This preview shows how white text looks on a background with the XYZ color 54.4639, 62.4277,



# 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

54.4639, 62.4277, 36.3733

### Protanopia

58.0873, 62.4866, 35.3851

### Deuteranopia

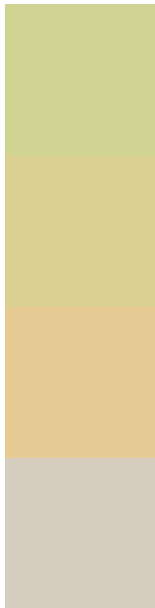
63.2751, 61.9706, 37.0603



## Tritanopia

62.4610, 62.4253, 75.7751

# Trichromacy



## Original Color

54.4639, 62.4277, 36.3733

## Protanomaly

56.8247, 62.5507, 35.8666

## Deuteranomaly

59.6562, 61.8389, 36.8089

## Tritanomaly

59.0263, 62.0945, 58.7436

# Monochromacy



## Original Color

54.4639, 62.4277, 36.3733

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

55.4166, 60.3574, 52.9853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4639, 62.4277, 36.3733 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(207, 212, 146)` looks like.

```
.text, #text, p{  
    color:rgb(207, 212, 146)  
}
```

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(207, 212, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 212, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4639, 62.4277, 36.3733 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(207, 212, 146) }
```



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

```
.border{ border-color:rgb(207, 212, 146) }
```

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

Here you see how a box with a 4 pixel rgb(207, 212, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 212, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 212, 146);  
box-shadow:4px 4px 4px 4px rgb(207, 212,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4639, 62.4277, 36.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 212, 146) }
```

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

```
.background{ background-color: rgb(207,  
212, 146) }
```

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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