

Converting Colors

XYZ(54.4987, 63.7991, 35.9731)

Have a look what the booklet for
XYZ(54.4987, 63.7991, 35.9731)
contains.

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Color

**XYZ(54.4917, 63.9627,
35.8596)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD890
RGB	204, 216, 144
RGB Percent	80%, 85%, 56%
CMY	0.2000, 0.1529, 0.4353
CMYK	0.06, 0.00, 0.33, 0.15
HSL	70°, 48%, 71%
HSV	70°, 33%, 85%
XYZ	54.4917, 63.9627, 35.8596
YIQ	204.2040, 15.9600, -24.9360

Conversions

Conversions Part 2

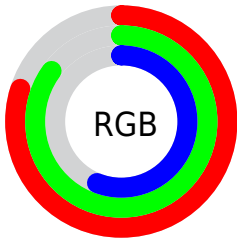
Format	Color
RYB	144, 216, 156
Decimal	13424784
CIELab	83.95, -15.43, 34.20
CIELCh	84, 37.526, 114.286
Yxy	63.9627, 0.3531, 0.4145
Android (android.graphics.Color)	4291614864 (0xFFCCD890)
YUV	204.2040, -29.6806, -0.1789
Hunter-Lab	79.9767, -18.3391, 29.3995

Details

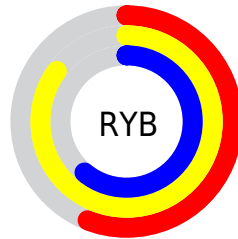
The XYZ color **54.4917, 63.9627, 35.8596** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.0808, 31.9740, 69.2394**, and the grayscale version is **57.6997, 60.7046, 66.1073**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **27.1151, 32.6696, 15.2327** is the 20% darker color. If you saturate the color by 10%, you get **52.0210, 62.8639, 27.9353**, and if you desaturate by 10%, it is **57.3043, 65.2053, 45.4513**.

Distribution



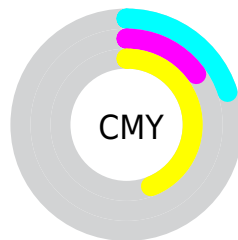
- Red (80%)
- Green (85%)
- Blue (56%)



- Red (56%)
- Yellow (85%)
- Blue (61%)



- Cyan (6%)
- Magenta (0%)
- Yellow (33%)
- Black (15%)



- Cyan (20%)
- Magenta (15%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4917, 63.9627, 35.8596 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 54.4917, 63.9627, 35.8596 by changing the saturation by 10% instead.

■ 54.4917, 63.9627,
35.8596

■ 54.4917, 63.9627,
35.8596

394.1501,
439.0549, 343.3653

■ 39.2271, 46.6205,
24.0369

■ 95.9485, 110.5572,
69.9819

■ 27.1180, 32.7357,
15.1486

■ 122.8714,
140.5783, 93.1186

■ 17.7989, 21.9241,
8.7759

154.4112,
175.5944, 120.8638

■ 10.9045, 13.8011,
4.5005

190.9332,
215.9900, 153.6360

■ 6.0695, 7.9825,
1.9037

232.8027,
262.1495, 191.8537

■ 2.9284, 4.0837,
0.4951

280.3851,

■ 1.1160, 1.7205,

314.4572, 235.9354

0.0000

334.0458,
373.2975, 286.2998

■ 0.0385, 0.4369,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.4917, 63.9627,
35.8596

■ 54.4917, 63.9627,
35.8596

■ 52.0210, 62.8639,
27.9353

■ 57.3043, 65.2053,
45.4513

■ 49.8693, 61.8931,
21.5791

■ 60.4709, 66.5900,
56.7939

■ 48.0180, 61.0451,
16.6876

■ 64.0086, 68.1258,
69.9704

■ 46.4447, 60.3108,
13.1431

■ 67.9321, 69.8186,
85.0570

■ 45.1235, 59.6800,
10.8102

■ 72.2553, 71.6739,
102.1258

■ 44.0231, 59.1400,
9.5247

■ 73.8489, 72.4402,
104.6978

■ 43.3773, 58.8166,
9.0665

■ 74.9877, 73.0272,
104.7511

■ 76.1503, 73.6266,
104.8055

■ 77.3369, 74.2383,
104.8611

Harmonies

Analogous

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



62.3900, 63.9627, 33.4731



54.4917, 63.9627, 35.8596



48.7862, 63.9627, 46.3183

Triad

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



54.4917, 63.9627, 35.8596



51.9844, 63.9627, 113.5040



78.0123, 63.9627, 74.2731

Complementary

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



54.4917, 63.9627, 35.8596



36.0808, 31.9740, 69.2394

Split Complementary

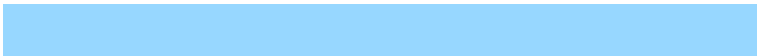
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6277, 63.9627, 99.7230



54.4917, 63.9627, 35.8596



59.2267, 63.9627, 125.4358

Square

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



54.4917, 63.9627, 35.8596



47.4330, 63.9627, 90.0842



67.5658, 63.9627, 119.8935



76.4557, 63.9627, 52.5570

Rectangle

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



54.4917, 63.9627, 35.8596



46.7480, 63.9627, 58.0345



67.5658, 63.9627, 119.8935



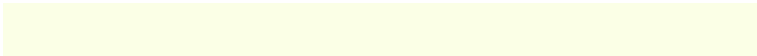
77.4060, 63.9627, 82.7080

Sweetspot

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



54.4933, 63.9656, 35.8610



89.6658, 97.6676, 88.6211



45.2437, 40.3913, 31.7982



19.0399, 20.8387, 18.4064



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.



54.4933, 63.9656, 35.8610



76.7674, 91.9959, 43.8479



45.7406, 59.4534, 35.4513



13.2601, 14.4103, 13.2433



25.7524, 34.8522, 5.3698



1.6085, 2.1306, 0.3265

Inverse Universe

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



36.0808, 31.9740, 69.2394



46.0203, 38.5493, 99.6230



44.1083, 36.1124, 69.6150



11.9336, 12.1072, 15.6455



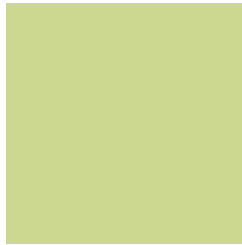
7.8287, 3.1883, 38.6560



0.5330, 0.2236, 2.3344

Previews

White Background



This preview shows how the XYZ color 54.4917, 63.9627, 35.8596 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 54.4917, 63.9627, 35.8596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

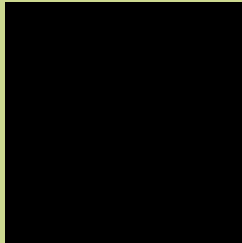
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.4917, 63.9627, 35.8596

Background



This preview shows how black text looks on a background with the XYZ color 54.4917, 63.9627, 35.8596.



This preview shows how white text looks on a background with the XYZ color 54.4917, 63.9627,

35.8596.

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

54.4917, 63.9627, 35.8596

Protanopia

59.2867, 63.8549, 34.3998

Deuteranopia

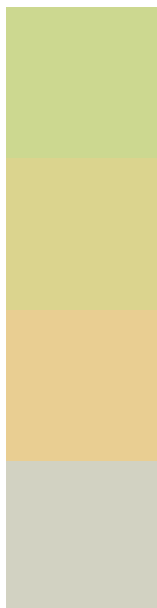
64.9877, 63.5549, 36.4459



Tritanopia

62.9877, 63.7127, 78.0852

Trichromacy



Original Color

54.4917, 63.9627, 35.8596

Protanomaly

57.6394, 64.1000, 34.9258

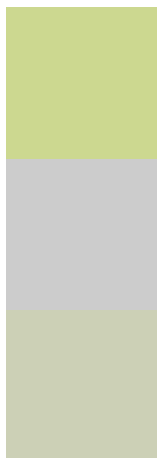
Deuteranomaly

60.8639, 63.5416, 36.2510

Tritanomaly

59.3625, 63.6899, 60.2036

Monochromacy



Original Color

54.4917, 63.9627, 35.8596

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

55.9012, 61.3265, 53.1469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.4917, 63.9627, 35.8596 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, 216, 144)` looks like.

```
.text, #text, p{  
    color:rgb(204, 216, 144)  
}
```

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, 216, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 216, 144) }
```

Border

The CSS property to change the border of an element to XYZ 54.4917, 63.9627, 35.8596 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, 216, 144) }
```


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

```
.border{ border-color:rgb(204, 216, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 216, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 216, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 216, 144);  
box-shadow:4px 4px 4px 4px rgb(204, 216,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 54.4917, 63.9627, 35.8596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 216, 144) }
```

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

```
.background{ background-color: rgb(204,  
216, 144) }
```

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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