

Converting Colors

XYZ(51.9211, 56.9117, 37.2159)

Have a look what the booklet for
XYZ(51.9211, 56.9117, 37.2159)
contains.

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Color

**XYZ(51.8914, 56.7760,
37.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	CFC896
RGB	207, 200, 150
RGB Percent	81%, 78%, 59%
CMY	0.1882, 0.2157, 0.4118
CMYK	0.00, 0.03, 0.28, 0.19
HSL	53°, 37%, 70%
HSV	53°, 28%, 81%
XYZ	51.8914, 56.7760, 37.0780
YIQ	196.3930, 20.2220, -14.0660

Conversions

Conversions Part 2

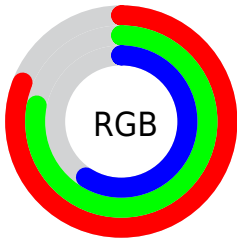
Format	Color
RYB	158, 207, 150
Decimal	13617302
CIELab	80.05, -5.37, 25.95
CIELCh	80, 26.496, 101.692
Yxy	56.7760, 0.3560, 0.3896
Android (android.graphics.Color)	4291807382 (0xFFCFC896)
YUV	196.3930, -22.8717, 9.3023
Hunter-Lab	75.3499, -8.9341, 23.5696

Details

The XYZ color **51.8914, 56.7760, 37.0780** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.8968, 35.1019, 63.9149**, and the grayscale version is **52.8312, 55.5826, 60.5294**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **25.4799, 28.1340, 15.8919** is the 20% darker color. If you saturate the color by 10%, you get **49.7868, 55.0025, 28.8667**, and if you desaturate by 10%, it is **54.3032, 58.6919, 46.8458**.

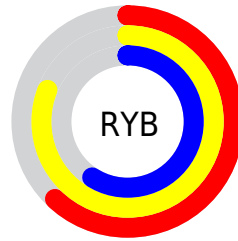
Distribution



Red (81%)

Green (78%)

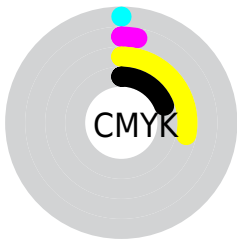
Blue (59%)



Red (62%)

Yellow (81%)

Blue (59%)

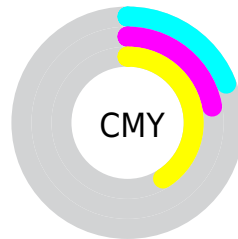


Cyan (0%)

Magenta (3%)

Yellow (28%)

Black (19%)



Cyan (19%)


Magenta (22%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8914, 56.7760, 37.0780 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 51.8914, 56.7760, 37.0780 by changing the saturation by 10% instead.


 51.8914, 56.7760,
37.0780


 51.8914, 56.7760,
37.0780


384.3481,
412.6094, 348.8270

 37.1424, 40.8254,
24.9716


 92.1462, 100.1383,
71.8804

 25.4920, 28.1827,
15.8371


 118.3828,
128.3188, 95.4135

 16.5747, 18.4634,
9.2558


149.1793,
161.3447, 123.5926

 10.0251, 11.2832,
4.8093

184.9011,
199.6004, 156.8363

 5.4780, 6.2577,
2.0791

225.9135,
243.4703, 195.5630

 2.5680, 3.0024,
0.6033

272.5819,

 0.9297, 1.1330,

293.3389, 240.1913

0.0000

325.2716,
349.5905, 291.1398

■ 0.0000, 0.0059,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.8914, 56.7760,
37.0780

■ 51.8914, 56.7760,
37.0780

■ 49.7868, 55.0025,
28.8667

■ 54.3032, 58.6919,
46.8458

■ 47.9694, 53.3576,
22.1266

■ 57.0323, 60.7485,
58.2420

■ 46.4238, 51.8368,
16.7699

■ 60.0935, 62.9537,
71.3387

■ 45.1311, 50.4327,
12.6978

■ 63.4995, 65.3127,
86.2022

■ 44.0702, 49.1365,
9.7985

■ 67.2624, 67.8303,
102.8956

■ 43.2160, 47.9384,
7.9410

■ 68.1455, 69.2121,
104.3754

■ 42.5339, 46.8242,
6.9427

■ 68.7984, 70.5179,
104.5930

■ 42.3778, 46.5568,
6.7528

■ 69.4614, 71.8438,
104.8140

■ 70.1345, 73.1900,
105.0383

Harmonies

Analogous

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



57.2842, 56.7760, 37.7119



51.8914, 56.7760, 37.0780



47.3620, 56.7760, 42.2044

Triad

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



51.8914, 56.7760, 37.0780



46.5913, 56.7760, 83.7295



64.4096, 56.7760, 71.6161

Complementary

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



51.8914, 56.7760, 37.0780



35.8968, 35.1019, 63.9149

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.



61.1524, 56.7760, 86.7285



51.8914, 56.7760, 37.0780



50.7744, 56.7760, 94.4845

Square

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



51.8914, 56.7760, 37.0780



44.4409, 56.7760, 68.0296



56.0908, 56.7760, 95.6652



64.7584, 56.7760, 55.9992

Rectangle

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



51.8914, 56.7760, 37.0780



45.3467, 56.7760, 48.7895



56.0908, 56.7760, 95.6652



63.6090, 56.7760, 76.9844

Sweetspot

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



51.8929, 56.7786, 37.0792



91.1442, 97.1682, 92.2461



42.7761, 37.5336, 37.1584



19.3598, 20.6878, 19.1171



0.0000, 0.0000, 0.0000



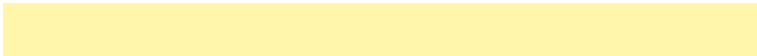
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8929, 56.7786, 37.0792



81.1301, 89.3019, 51.4141



48.0922, 57.2795, 37.3762



12.6745, 13.5396, 12.5574



26.7470, 29.4270, 4.2703



1.5311, 1.7166, 0.2506

Inverse Universe

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



35.8968, 35.1019, 63.9149



51.3717, 48.9807, 101.3544



38.9422, 34.9651, 63.7280



11.2789, 11.6481, 14.8975



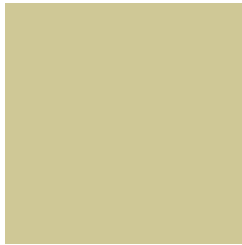
7.3577, 3.3620, 37.4536



0.4511, 0.2674, 2.1074

Previews

White Background



This preview shows how the XYZ color 51.8914, 56.7760, 37.0780 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 51.8914, 56.7760, 37.0780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

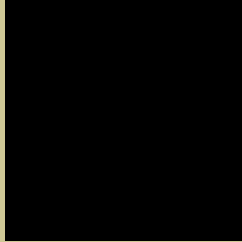
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8914, 56.7760, 37.0780

Background



This preview shows how black text looks on a background with the XYZ color 51.8914, 56.7760, 37.0780.



This preview shows how white text looks on a background with the XYZ color 51.8914, 56.7760,

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

51.8914, 56.7760, 37.0780

Protanopia

53.0595, 56.7042, 36.5822

Deuteranopia

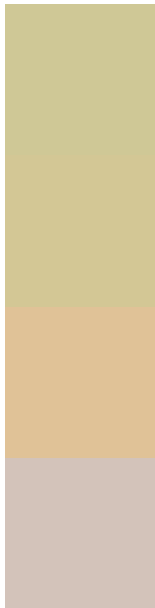
57.6852, 56.4175, 37.5551



Tritanopia

57.8437, 56.5004, 66.8885

Trichromacy



Original Color

51.8914, 56.7760, 37.0780

Protanomaly

52.7122, 56.8657, 36.6317

Deuteranomaly

55.6182, 56.6652, 37.2842

Tritanomaly

55.2420, 56.4243, 54.4338

Monochromacy



Original Color

51.8914, 56.7760, 37.0780

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.9224, 55.4665, 50.6173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8914, 56.7760, 37.0780 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, 200, 150)` looks like.

```
.text, #text, p{  
    color:rgb(207, 200, 150)  
}
```

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, 200, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 200, 150) }
```

Border

The CSS property to change the border of an element to XYZ 51.8914, 56.7760, 37.0780 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, 200, 150) }
```


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

```
.border{ border-color:rgb(207, 200, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 200, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 200, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 200, 150);  
box-shadow:4px 4px 4px 4px rgb(207, 200,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8914, 56.7760, 37.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 200, 150) }
```

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

```
.background{ background-color: rgb(207,  
200, 150) }
```

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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