

Converting Colors

XYZ(51.0522, 54.8894, 36.4531)

Have a look what the booklet for
XYZ(51.0522, 54.8894, 36.4531)
contains.

XYZ(51.1772, 55.0597, 36.3640)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.1772, 55.0597,
36.3640)**

Conversions

Conversions Part 1

Format	Color
Hex	D0C495
RGB	208, 196, 149
RGB Percent	82%, 77%, 58%
CMY	0.1843, 0.2314, 0.4157
CMYK	0.00, 0.06, 0.28, 0.18
HSL	48°, 39%, 70%
HSV	48°, 28%, 82%
XYZ	51.1772, 55.0597, 36.3640
YIQ	194.2300, 22.2390, -12.0730

Conversions

Conversions Part 2

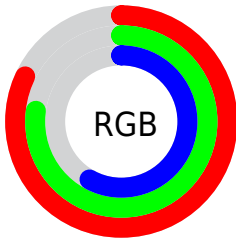
Format	Color
R_{YB}	164, 208, 149
Decimal	13681813
CIE Lab	79.08, -3.04, 25.16
CIE LCh	79, 25.345, 96.885
Yxy	55.0597, 0.3589, 0.3861
Android (android.graphics.Color)	4291871893 (0xFFD0C495)
YUV	194.2300, -22.2984, 12.0763
Hunter-Lab	74.2022, -6.7426, 22.8855

Details

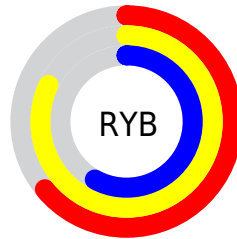
The XYZ color **51.1772, 55.0597, 36.3640** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.5243, 36.4324, 64.7819**, and the grayscale version is **51.5343, 54.2181, 59.0435**.

A 20% lighter version of the original color is **87.1448, 95.8224, 70.4025**, and **25.0145, 27.0001, 15.4484** is the 20% darker color. If you saturate the color by 10%, you get **48.7227, 52.5750, 28.0718**, and if you desaturate by 10%, it is **53.9580, 57.7219, 46.2295**.

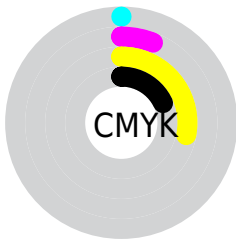
Distribution



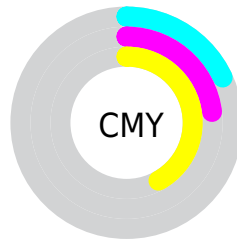
- Red (82%)
- Green (77%)
- Blue (58%)



- Red (64%)
- Yellow (82%)
- Blue (58%)



- Cyan (0%)
- Magenta (6%)
- Yellow (28%)
- Black (18%)





- Cyan (18%)
- Magenta (23%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1772, 55.0597, 36.3640 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 51.1772, 55.0597, 36.3640 by changing the saturation by 10% instead.


 51.1772, 55.0597,
36.3640


 51.1772, 55.0597,
36.3640


381.6282,
406.1382, 345.6341

 36.5713, 39.4495,
24.4235


 91.0981, 97.6284,
70.7689

 25.0479, 27.1096,
15.4330


 117.1437,
125.3558, 94.0704

 16.2416, 17.6556,
8.9738


147.7334,
157.8909, 121.9960

 9.7872, 10.7030,
4.6275

183.2323,
195.6183, 154.9642

 5.3193, 5.8675,
1.9756

224.0059,
238.9224, 193.3936

 2.4725, 2.7647,
0.5402

270.4195,

 0.8814, 1.0101,

288.1874, 237.7027

0.0000

322.8385,
343.7979, 288.3100

■ 0.0000, 0.0000,
0.0000

■ 51.1772, 55.0597,
36.3640

■ 51.1772, 55.0597,
36.3640

■ 48.7227, 52.5750,
28.0718

■ 53.9580, 57.7219,
46.2295

■ 46.5743, 50.2534,
21.2661

■ 57.0758, 60.5602,
57.7418

■ 44.7159, 48.0902,
15.8573

■ 60.5458, 63.5832,
70.9741

■ 43.1282, 46.0772,
11.7443

■ 64.3811, 66.7963,
85.9941

■ 41.7891, 44.2053,
8.8127

■ 68.5939, 70.2048,
102.8657

■ 40.6730, 42.4638,
6.9278

■ 70.0190, 72.5430,
104.9195

■ 39.7408, 40.8367,
5.8854

■ 71.1522, 74.8094,
105.2973

■ 39.5964, 40.5777,
5.7453

■ 72.3138, 77.1325,
105.6845

■ 73.5039, 79.5127,
106.0812

Harmonies

Analogous

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



56.2377, 55.0597, 37.8395



51.1772, 55.0597, 36.3640



46.7183, 55.0597, 40.3458

Triad

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



51.1772, 55.0597, 36.3640



44.9441, 55.0597, 78.2383



61.7805, 55.0597, 71.5435

Complementary

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



51.1772, 55.0597, 36.3640



36.5243, 36.4324, 64.7819

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.



58.3796, 55.0597, 85.0568



51.1772, 55.0597, 36.3640



48.6126, 55.0597, 89.3358

Square

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



51.1772, 55.0597, 36.3640



43.2726, 55.0597, 63.3464



53.5052, 55.0597, 92.0130



62.5764, 55.0597, 56.6784

Rectangle

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



51.1772, 55.0597, 36.3640



44.6139, 55.0597, 46.0057



53.5052, 55.0597, 92.0130



60.8939, 55.0597, 76.4622

Sweetspot

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



51.1786, 55.0622, 36.3652



90.1021, 95.6680, 90.0981



43.2627, 37.5064, 39.0415



19.1237, 20.3319, 18.6799



0.0000, 0.0000, 0.0000



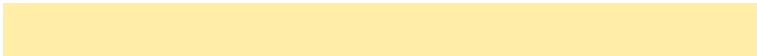
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1786, 55.0622, 36.3652



78.7282, 84.8829, 49.4271



49.5383, 58.3952, 37.0949



12.5908, 13.3723, 12.5295



24.7489, 25.4309, 3.6042



1.4367, 1.5277, 0.2192

Inverse Universe

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



36.5243, 36.4324, 64.7819



51.8059, 50.6649, 101.6566



37.7998, 34.1261, 64.2695



11.3556, 11.8015, 14.9231



7.6741, 3.9949, 37.5591



0.4868, 0.3388, 2.1193

Previews

White Background



This preview shows how the XYZ color 51.1772, 55.0597, 36.3640 looks on a white background.

Color Contrast Check

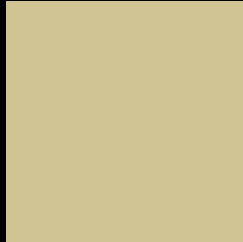
Large Text (above 18pt) WCAG AA × Fail

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 51.1772, 55.0597, 36.3640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

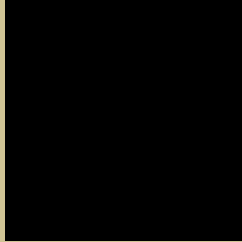
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1772, 55.0597, 36.3640

Background



This preview shows how black text looks on a background with the XYZ color 51.1772, 55.0597, 36.3640.

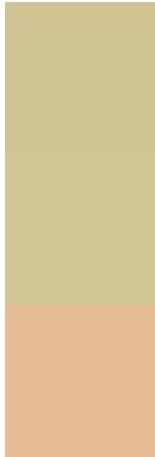


This preview shows how white text looks on a background with the XYZ color 51.1772, 55.0597,

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

51.1772, 55.0597, 36.3640

Protanopia

51.4592, 55.2051, 36.3772

Deuteranopia

56.2023, 55.0238, 36.9366



Tritanopia

57.1210, 55.2019, 64.7712

Trichromacy



Original Color

51.1772, 55.0597, 36.3640

Protanomaly

51.4592, 55.2051, 36.3772

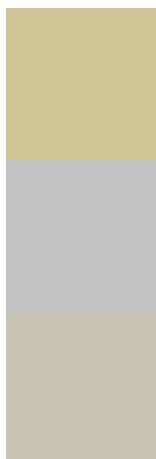
Deuteranomaly

54.2600, 54.9932, 36.6091

Tritanomaly

54.6527, 55.1570, 53.1133

Monochromacy



Original Color

51.1772, 55.0597, 36.3640

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.1042, 54.3867, 49.9237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1772, 55.0597, 36.3640 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(208, 196, 149)` looks like.

```
.text, #text, p{  
    color:rgb(208, 196, 149)  
}
```

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(208, 196, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 196, 149) }
```

Border

The CSS property to change the border of an element to XYZ 51.1772, 55.0597, 36.3640 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(208, 196, 149) }
```


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

```
.border{ border-color:rgb(208, 196, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 196, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 196, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 196, 149);  
box-shadow:4px 4px 4px 4px rgb(208, 196,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1772, 55.0597, 36.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 196, 149) }
```

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

```
.background{ background-color: rgb(208,  
196, 149) }
```

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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