

Converting Colors

XYZ(50.1999, 55.8515, 33.1982)

Have a look what the booklet for
XYZ(50.1999, 55.8515, 33.1982)
contains.

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Color

**XYZ(50.3638, 56.0690,
33.3672)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC88D
RGB	204, 200, 141
RGB Percent	80%, 78%, 55%
CMY	0.2000, 0.2157, 0.4471
CMYK	0.00, 0.02, 0.31, 0.20
HSL	56°, 38%, 68%
HSV	56°, 31%, 80%
XYZ	50.3638, 56.0690, 33.3672
YIQ	194.4700, 21.3230, -17.5010

Conversions

Conversions Part 2

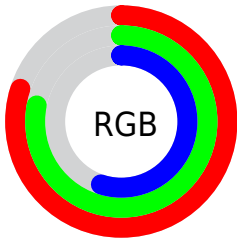
Format	Color
R _{YB}	145, 204, 141
Decimal	13420685
CIE Lab	79.65, -7.69, 30.08
CIE LCh	80, 31.048, 104.348
Yxy	56.0690, 0.3603, 0.4011
Android (android.graphics.Color)	4291610765 (0xFFCCC88D)
YUV	194.4700, -26.3607, 8.3578
Hunter-Lab	74.8792, -10.9795, 25.9950

Details

The XYZ color **50.3638, 56.0690, 33.3672** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.0088, 30.2723, 61.2829**, and the grayscale version is **51.7006, 54.3930, 59.2340**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **24.5188, 27.6855, 13.7244** is the 20% darker color. If you saturate the color by 10%, you get **48.6858, 54.9224, 25.9965**, and if you desaturate by 10%, it is **52.3268, 57.3376, 42.2136**.

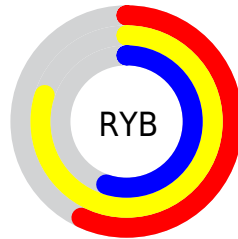
Distribution



Red (80%)

Green (78%)

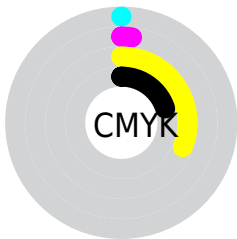
Blue (55%)



Red (57%)

Yellow (80%)

Blue (55%)

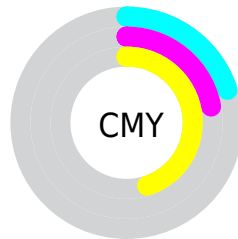


Cyan (0%)

Magenta (2%)

Yellow (31%)

Black (20%)



Cyan (20%)

Magenta (22%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3638, 56.0690, 33.3672 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 50.3638, 56.0690, 33.3672 by changing the saturation by 10% instead.

■ 50.3638, 56.0690,
33.3672

■ 50.3638, 56.0690,
33.3672

378.5154,
409.9515, 331.9837

■ 35.9215, 40.2582,
22.1345

■ 89.9023, 99.1055,
66.0710

■ 24.5434, 27.7400,
13.7565

■ 115.7292,
127.0999, 88.3792

■ 15.8641, 18.1297,
7.8147

■ 146.0817,
159.9245, 115.2162

■ 9.5183, 11.0432,
3.8905

181.3251,
197.9634, 147.0007

■ 5.1406, 6.0959,
1.5655

221.8248,
241.6012, 184.1511

■ 2.3656, 2.9035,
0.2660

267.9462,

■ 0.8279, 1.0815,

291.2222, 227.0861

0.0000

320.0547,
347.2108, 276.2241

■ 0.0000, 0.0000,
0.0000

■ 50.3638, 56.0690,
33.3672

■ 50.3638, 56.0690,
33.3672

■ 48.6858, 54.9224,
25.9965

■ 52.3268, 57.3376,
42.2136

■ 47.2732, 53.8841,
20.0170

■ 54.5847, 58.7262,
52.6071

■ 46.1106, 52.9497,
15.3411


■ 57.1522, 60.2428,
64.6183


■ 45.1790, 52.1119,
11.8699

■ 60.0418, 61.8923,
78.3128


■ 44.4571, 51.3619,
9.4903


■ 63.2652, 63.6794,
93.7524


 43.9193, 50.6895,
8.0677

 65.4509, 65.0555,
103.7151

 43.5467, 50.1270,
7.3803

 65.7671, 65.6879,
103.8205

 66.0859, 66.3255,
103.9267

 66.4073, 66.9683,
104.0339

Harmonies

Analogous

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



56.6066, 56.0690, 33.5032



50.3638, 56.0690, 33.3672



45.3114, 56.0690, 39.5630

Triad

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



50.3638, 56.0690, 33.3672



45.1376, 56.0690, 88.4625



65.7459, 56.0690, 70.8329

Complementary

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



50.3638, 56.0690, 33.3672



32.0088, 30.2723, 61.2829

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.



62.1584, 56.0690, 89.1753



50.3638, 56.0690, 33.3672



50.1092, 56.0690, 100.6336

Square

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



50.3638, 56.0690, 33.3672



42.4582, 56.0690, 69.9987



56.3314, 56.0690, 100.9175



65.8275, 56.0690, 52.8977

Rectangle

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



50.3638, 56.0690, 33.3672



43.1591, 56.0690, 47.3063



56.3314, 56.0690, 100.9175



64.8981, 56.0690, 77.2260

Sweetspot

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



50.3652, 56.0715, 33.3684



91.1101, 97.6840, 90.4341



39.5534, 33.9382, 31.3357



19.3737, 20.8319, 18.7632



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.



50.3652, 56.0715, 33.3684



81.5232, 91.5829, 46.9371



44.4641, 54.4209, 33.3608



12.0906, 12.9701, 11.9457



27.4348, 31.6026, 4.6539



1.4342, 1.6680, 0.2464

Inverse Universe

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



32.0088, 30.2723, 61.2829



46.4290, 42.2638, 100.3184



36.6369, 31.7678, 61.3276



10.6579, 10.9563, 14.1234



6.9741, 2.9723, 36.1624



0.3802, 0.1942, 1.8724

Previews

White Background



This preview shows how the XYZ color 50.3638, 56.0690, 33.3672 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 50.3638, 56.0690, 33.3672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

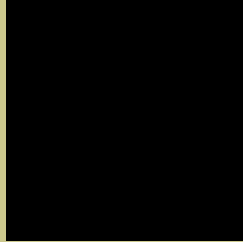
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3638, 56.0690, 33.3672

Background



This preview shows how black text looks on a background with the XYZ color 50.3638, 56.0690, 33.3672.



This preview shows how white text looks on a background with the XYZ color 50.3638, 56.0690,

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

50.3638, 56.0690, 33.3672

Protanopia

52.1404, 55.9721, 32.8665

Deuteranopia

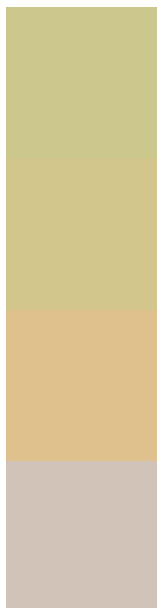
57.0872, 55.8708, 33.7619



Tritanopia

57.2635, 56.2013, 66.8613

Trichromacy



Original Color

50.3638, 56.0690, 33.3672

Protanomaly

51.5060, 55.9833, 32.9021

Deuteranomaly

54.3839, 55.7809, 33.4916

Tritanomaly

54.3568, 56.0044, 52.7448

Monochromacy



Original Color

50.3638, 56.0690, 33.3672

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.7665, 54.5808, 48.4169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3638, 56.0690, 33.3672 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, 200, 141)` looks like.

```
.text, #text, p{  
    color:rgb(204, 200, 141)  
}
```

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, 200, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 200, 141) }
```

Border

The CSS property to change the border of an element to XYZ 50.3638, 56.0690, 33.3672 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, 200, 141) }
```


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

```
.border{ border-color:rgb(204, 200, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 200, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 200, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 200, 141);  
box-shadow:4px 4px 4px 4px rgb(204, 200,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3638, 56.0690, 33.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 200, 141) }
```

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

```
.background{ background-color: rgb(204,  
200, 141) }
```

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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