

Converting Colors

XYZ(57.8877, 66.9859, 33.8567)

Have a look what the booklet for
XYZ(57.8877, 66.9859, 33.8567)
contains.

XYZ(57.9433, 66.9451, 33.9125)	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(57.9433, 66.9451,
33.9125)**

Conversions

Conversions Part 1

Format	Color
Hex	D7DB8A
RGB	215, 219, 138
RGB Percent	84%, 86%, 54%
CMY	0.1569, 0.1412, 0.4588
CMYK	0.02, 0.00, 0.37, 0.14
HSL	63°, 53%, 70%
HSV	63°, 37%, 86%
XYZ	57.9433, 66.9451, 33.9125
YIQ	208.5700, 23.6170, -26.0390

Conversions

Conversions Part 2

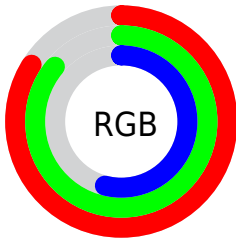
Format	Color
RYB	138, 219, 142
Decimal	14146442
CIELab	85.48, -13.44, 39.39
CIELCh	85, 41.618, 108.837
Yxy	66.9451, 0.3649, 0.4216
Android (android.graphics.Color)	4292336522 (0xFFD7DB8A)
YUV	208.5700, -34.7910, 5.6391
Hunter-Lab	81.8200, -16.7748, 32.6996

Details

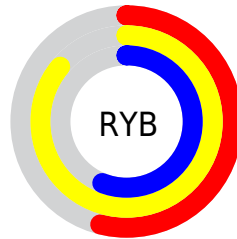
The XYZ color **57.9433, 66.9451, 33.9125** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **33.0324, 29.0439, 70.8868**, and the grayscale version is **60.5342, 63.6867, 69.3548**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **29.2938, 34.6100, 14.1533** is the 20% darker color. If you saturate the color by 10%, you get **56.1987, 66.2130, 26.3725**, and if you desaturate by 10%, it is **60.0131, 67.8123, 43.1392**.

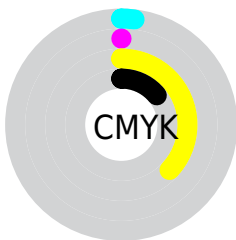
Distribution



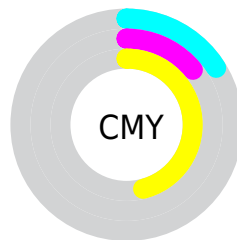
- Red (84%)
- Green (86%)
- Blue (54%)



- Red (54%)
- Yellow (86%)
- Blue (56%)



- Cyan (2%)
- Magenta (0%)
- Yellow (37%)
- Black (14%)



- Cyan (16%)
- Magenta (14%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9433, 66.9451, 33.9125 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 57.9433, 66.9451, 33.9125 by changing the saturation by 10% instead.

■ 57.9433, 66.9451,
33.9125

■ 57.9433, 66.9451,
33.9125

406.9319,
449.7493, 334.4990

■ 42.0062, 49.0400,
22.5496

■ 100.9637,
114.8417, 66.9299

■ 29.2972, 34.6512,
14.0591

■ 128.7777,
145.6021, 89.4215

■ 19.4512, 23.3943,
8.0226

■ 161.2814,
181.4163, 116.4597

■ 12.1027, 14.8849,
4.0214

198.8400,
222.6688, 148.4630

■ 6.8864, 8.7387,
1.6371

241.8190,
269.7439, 185.8501

■ 3.4368, 4.5711,
0.3171

290.5838,

■ 1.3888, 1.9979,

323.0262, 229.0394

0.0000

345.4996,
382.8998, 278.4495

■ 0.2482, 0.6063,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9433, 66.9451,
33.9125

■ 57.9433, 66.9451,
33.9125

■ 56.1987, 66.2130,
26.3725

■ 60.0131, 67.8123,
43.1392

■ 54.7549, 65.5991,
20.4131


■ 62.4208, 68.8124,
54.1418


■ 53.5922, 65.0979,
15.9230


■ 65.1846, 69.9553,
67.0079


■ 52.6864, 64.6997,
12.7745


■ 68.3197, 71.2469,
81.8186


 52.0090, 64.3931,
10.8182


 71.8406, 72.6931,
98.6498


 51.5230, 64.1633,
9.8587

 73.3537, 73.3364,
104.8969

 51.3949, 64.1014,
9.6640

 73.6855, 73.5075,
104.9125

 74.0194, 73.6797,
104.9281

 74.3555, 73.8529,
104.9438

Harmonies

Analogous

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



67.2109, 66.9451, 32.8421



57.9433, 66.9451, 33.9125



50.9117, 66.9451, 43.7348

Triad

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



57.9433, 66.9451, 33.9125



52.4075, 66.9451, 119.4838



83.1637, 66.9451, 83.4334

Complementary

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



57.9433, 66.9451, 33.9125



33.0324, 29.0439, 70.8868

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.



78.3059, 66.9451, 112.7702



57.9433, 66.9451, 33.9125



60.1773, 66.9451, 136.7609

Square

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



57.9433, 66.9451, 33.9125



47.9408, 66.9451, 91.0098



69.6756, 66.9451, 134.0383



82.4139, 66.9451, 57.3537

Rectangle

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



57.9433, 66.9451, 33.9125



48.1499, 66.9451, 55.6789



69.6756, 66.9451, 134.0383



82.1146, 66.9451, 93.3302

Sweetspot

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



57.9450, 66.9481, 33.9139



90.3498, 98.0612, 86.8026



43.2838, 35.8581, 28.6857



19.2241, 20.9418, 18.0462



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.



57.9450, 66.9481, 33.9139



79.9309, 93.7200, 39.7842



47.7808, 61.7083, 33.4382



14.0953, 15.2294, 13.9222



30.5011, 38.0214, 5.7313



1.9960, 2.4735, 0.3722

Inverse Universe

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



33.0324, 29.0439, 70.8868



40.1183, 33.1334, 98.8887



40.9797, 33.1409, 71.2587



12.3980, 12.6478, 16.4400



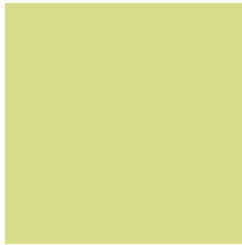
7.6889, 3.0880, 39.9292



0.5196, 0.2111, 2.5878

Previews

White Background



This preview shows how the XYZ color 57.9433, 66.9451, 33.9125 looks on a white background.

Color Contrast Check

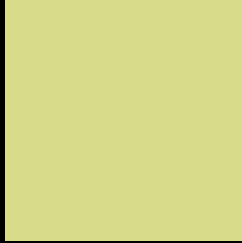
Large Text (above 18pt) WCAG AA × Fail

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 57.9433, 66.9451, 33.9125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

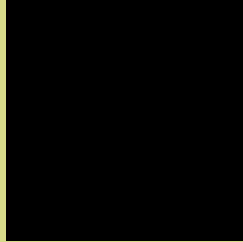
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.9433, 66.9451, 33.9125

Background



This preview shows how black text looks on a background with the XYZ color 57.9433, 66.9451, 33.9125.



This preview shows how white text looks on a background with the XYZ color 57.9433, 66.9451,

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

57.9433, 66.9451, 33.9125

Protanopia

61.5169, 66.5219, 32.8903

Deuteranopia

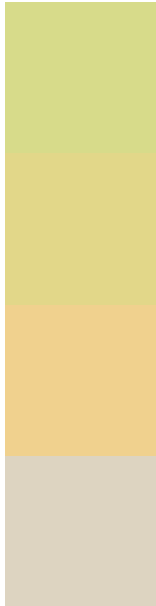
67.8669, 66.4593, 35.6365



Tritanopia

67.1978, 66.5555, 80.5390

Trichromacy



Original Color

57.9433, 66.9451, 33.9125

Protanomaly

60.1798, 66.5758, 33.3455

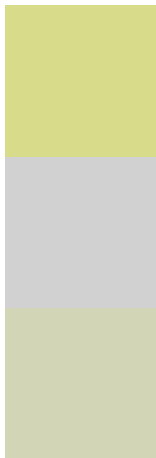
Deuteranomaly

63.6181, 66.0792, 34.9927

Tritanomaly

62.9879, 66.3094, 59.9312

Monochromacy



Original Color

57.9433, 66.9451, 33.9125

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.2055, 64.8563, 54.1978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9433, 66.9451, 33.9125 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(215, 219, 138)` looks like.

```
.text, #text, p{  
    color:rgb(215, 219, 138)  
}
```

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(215, 219, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 219, 138) }
```

Border

The CSS property to change the border of an element to XYZ 57.9433, 66.9451, 33.9125 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(215, 219, 138) }
```


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

```
.border{ border-color:rgb(215, 219, 138) }
```

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

Here you see how a box with a 4 pixel rgb(215, 219, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 219, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 219, 138);  
box-shadow:4px 4px 4px 4px rgb(215, 219,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9433, 66.9451, 33.9125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 219, 138) }
```

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

```
.background{ background-color: rgb(215,  
219, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor