

Converting Colors

XYZ(63.9308, 67.8330, 53.0061)

Have a look what the booklet for
XYZ(63.9308, 67.8330, 53.0061)
contains.

XYZ(63.9633, 67.7193, 52.8799)	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(63.9633, 67.7193,
52.8799)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D6B4
RGB	227, 214, 180
RGB Percent	89%, 84%, 71%
CMY	0.1098, 0.1608, 0.2941
CMYK	0.00, 0.06, 0.21, 0.11
HSL	43°, 46%, 80%
HSV	43°, 21%, 89%
XYZ	63.9633, 67.7193, 52.8799
YIQ	214.0110, 18.6620, -7.8180

Conversions

Conversions Part 2

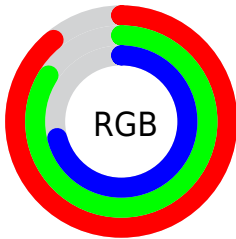
Format	Color
R _Y B	198, 227, 180
Decimal	14931636
CIE Lab	85.87, -0.92, 18.42
CIE LCh	86, 18.446, 92.845
Yxy	67.7193, 0.3466, 0.3669
Android (android.graphics.Color)	4293121716 (0xFFE3D6B4)
YUV	214.0110, -16.7674, 11.3914
Hunter-Lab	82.2917, -5.2670, 19.5050

Details

The XYZ color **63.9633, 67.7193, 52.8799** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.7572, 53.3879, 80.2504**, and the grayscale version is **64.0259, 67.3602, 73.3553**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **33.0235, 34.9865, 25.0912** is the 20% darker color. If you saturate the color by 10%, you get **60.2802, 63.7555, 41.1624**, and if you desaturate by 10%, it is **68.0900, 71.9631, 66.6153**.

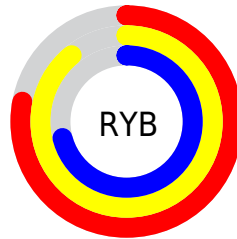
Distribution



Red (89%)

Green (84%)

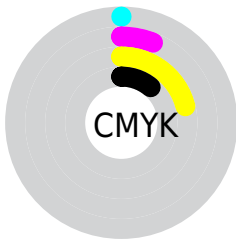
Blue (71%)



Red (78%)

Yellow (89%)

Blue (71%)

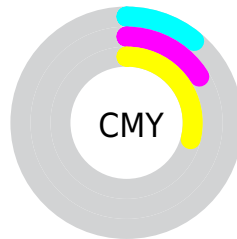


Cyan (0%)

Magenta (6%)

Yellow (21%)

Black (11%)



Cyan (11%)

Magenta (16%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9633, 67.7193, 52.8799 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 63.9633, 67.7193, 52.8799 by changing the saturation by 10% instead.

 63.9633, 67.7193,
52.8799

 63.9633, 67.7193,
52.8799

428.6614,
452.5008, 414.8774

 46.8825, 49.6694,
37.3198


 109.6321,
115.9505, 95.8674

 33.1504, 35.1508,
25.1575


138.9509,
146.9006, 124.1319

 22.4014, 23.7791,
15.9743


173.0796,
182.9195, 157.4682

 14.2704, 15.1698,
9.3518

212.3838,
224.3917, 196.2951

 8.3919, 8.9386,
4.8714

257.2287,
271.7015, 241.0308

 4.4007, 4.7012,
2.1146

307.9797,

 1.9312, 2.0730,

325.2334, 292.0941

0.6244

365.0022,
385.3717, 349.9035

■ 0.5949, 0.6494,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9633, 67.7193,
52.8799

■ 63.9633, 67.7193,
52.8799

■ 60.2802, 63.7555,
41.1624

■ 68.0900, 71.9631,
66.6153

■ 57.0163, 60.0538,
31.3614

■ 72.6726, 76.4861,
82.4549

■ 54.1525, 56.6080,
23.3728

■ 77.7299, 81.2989,
100.4853

■ 51.6665, 53.4079,
17.0813

■ 80.6277, 85.3491,
106.8322

■ 49.5329, 50.4422,
12.3578

■ 82.4985, 89.0905,
107.4558

■ 47.7231, 47.6984,
9.0548

■ 84.4336, 92.9609,
108.1009

■ 46.2030, 45.1616,
6.9963

■ 85.4887, 95.0710,
108.4525

■ 44.9966, 42.9667,
5.9218

Harmonies

Analogous

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



68.1389, 67.7193, 54.9347



63.9633, 67.7193, 52.8799



60.0649, 67.7193, 55.8880

Triad

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



63.9633, 67.7193, 52.8799



57.7876, 67.7193, 87.0669



71.8563, 67.7193, 84.8543

Complementary

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



63.9633, 67.7193, 52.8799



51.7572, 53.3879, 80.2504

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.



68.8660, 67.7193, 95.0262



63.9633, 67.7193, 52.8799



60.7334, 67.7193, 96.3985

Square

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



63.9633, 67.7193, 52.8799



56.5983, 67.7193, 74.8941



64.7687, 67.7193, 99.4578



72.8120, 67.7193, 72.5875

Rectangle

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



63.9633, 67.7193, 52.8799



58.1138, 67.7193, 60.5744



64.7687, 67.7193, 99.4578



71.0495, 67.7193, 88.6753

Sweetspot

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



63.9651, 67.7223, 52.8813



91.3489, 96.3840, 95.9940



57.6615, 52.8386, 57.7981



19.4691, 20.5476, 20.2592



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.



63.9651, 67.7223, 52.8813



81.0640, 85.8176, 61.7265



64.2686, 72.9575, 53.8758



15.2470, 16.1080, 15.2100



26.3446, 25.2633, 3.4878



2.0237, 2.0207, 0.2834

Inverse Universe

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



51.7572, 53.3879, 80.2504



62.3689, 63.8691, 103.6485



51.4682, 49.1602, 79.4496



13.9056, 14.5325, 18.2165



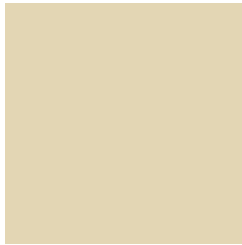
9.1994, 5.4608, 42.9524



0.7559, 0.5558, 3.1994

Previews

White Background



This preview shows how the XYZ color 63.9633, 67.7193, 52.8799 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 63.9633, 67.7193, 52.8799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

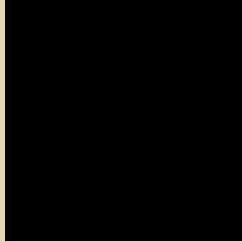
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

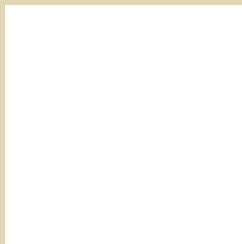
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9633, 67.7193, 52.8799

Background



This preview shows how black text looks on a background with the XYZ color 63.9633, 67.7193, 52.8799.

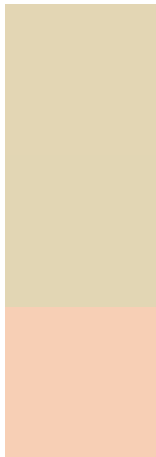


This preview shows how white text looks on a background with the XYZ color 63.9633, 67.7193,

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

63.9633, 67.7193, 52.8799

Protanopia

63.6488, 67.5572, 52.8652

Deuteranopia

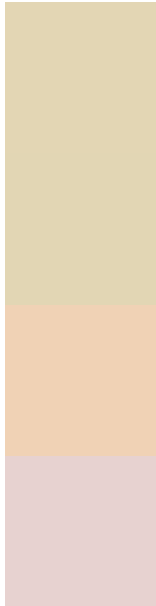
69.0111, 67.7360, 53.1531



Tritanopia

69.6147, 67.8172, 79.9419

Trichromacy



Original Color

63.9633, 67.7193, 52.8799

Protanomaly

63.6488, 67.5572, 52.8652

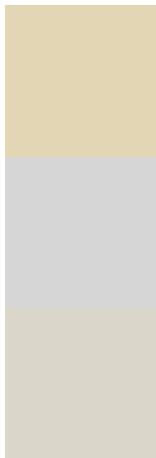
Deuteranomaly

67.3223, 67.9546, 53.2844

Tritanomaly

67.3868, 67.6362, 69.1779

Monochromacy



Original Color

63.9633, 67.7193, 52.8799

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.9207, 67.4175, 65.5210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9633, 67.7193, 52.8799 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(227, 214, 180)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 180)  
}
```

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(227, 214, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 180) }
```

Border

The CSS property to change the border of an element to XYZ 63.9633, 67.7193, 52.8799 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(227, 214, 180) }
```


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

```
.border{ border-color:rgb(227, 214, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 214, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 180);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9633, 67.7193, 52.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 180) }
```

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

```
.background{ background-color: rgb(227,  
214, 180) }
```

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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