

Converting Colors

XYZ(63.4769, 68.0300, 35.4927)

Have a look what the booklet for
XYZ(63.4769, 68.0300, 35.4927)
contains.

XYZ(63.1900, 67.7083, 35.3297)	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(63.1900, 67.7083,
35.3297)**

Conversions

Conversions Part 1

Format	Color
Hex	EBD68E
RGB	235, 214, 142
RGB Percent	92%, 84%, 56%
CMY	0.0784, 0.1608, 0.4431
CMYK	0.00, 0.09, 0.40, 0.08
HSL	46°, 70%, 74%
HSV	46°, 40%, 92%
XYZ	63.1900, 67.7083, 35.3297
YIQ	212.0710, 35.6280, -17.9400

Conversions

Conversions Part 2

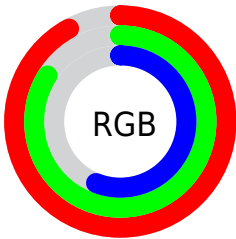
Format	Color
R _Y B	169, 235, 142
Decimal	15455886
CIE Lab	85.86, -2.66, 38.19
CIE LCh	86, 38.282, 93.992
Yxy	67.7083, 0.3801, 0.4073
Android (android.graphics.Color)	4293645966 (0xFFEBD68E)
YUV	212.0710, -34.5450, 20.1087
Hunter-Lab	82.2851, -6.9215, 32.1429

Details

The XYZ color **63.1900, 67.7083, 35.3297** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.2476, 37.9421, 83.8522**, and the grayscale version is **62.8339, 66.1061, 71.9896**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **32.6466, 35.0166, 14.9357** is the 20% darker color. If you saturate the color by 10%, you get **60.2881, 64.4365, 26.5564**, and if you desaturate by 10%, it is **66.5110, 71.2226, 46.0793**.

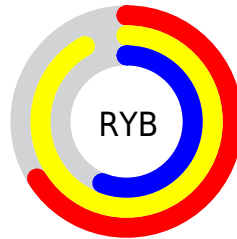
Distribution



Red (92%)

Green (84%)

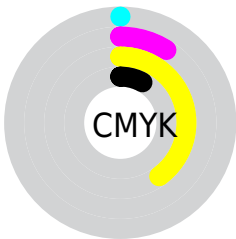
Blue (56%)



Red (66%)

Yellow (92%)

Blue (56%)

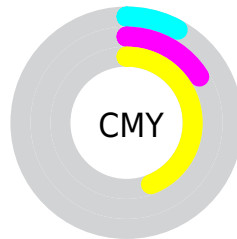


Cyan (0%)

Magenta (9%)

Yellow (40%)

Black (8%)



Cyan (8%)


Magenta (16%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1900, 67.7083, 35.3297 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 63.1900, 67.7083, 35.3297 by changing the saturation by 10% instead.


 63.1900, 67.7083,
35.3297


 63.1900, 67.7083,
35.3297


425.9074,
452.4618, 340.9696

 46.2542, 49.6605,
23.6314


 108.5239,
115.9347, 69.1536

 32.6519, 35.1437,
14.8507


 137.6526,
146.8821, 92.1162

 22.0179, 23.7736,
8.5692


171.5763,
182.8982, 119.6707

 13.9867, 15.1657,
4.3683

210.6604,
224.3673, 152.2355

 8.1931, 8.9358,
1.8295

255.2702,
271.6738, 190.2293

 4.2716, 4.6993,
0.4473

305.7710,

 1.8569, 2.0719,

325.2021, 234.0705

0.0000

362.5283,
385.3366, 284.1778

■ 0.5516, 0.6488,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1900, 67.7083,
35.3297

■ 63.1900, 67.7083,
35.3297

■ 60.2881, 64.4365,
26.5564

■ 66.5110, 71.2226,
46.0793

■ 57.7762, 61.3876,
19.6309

■ 70.2680, 74.9795,
58.9143

■ 55.6293, 58.5534,
14.4160

■ 74.4829, 78.9908,
73.9411

■ 53.8172, 55.9209,
10.7539

■ 79.1747, 83.2647,
91.2572

■ 52.3036, 53.4753,
8.4569

■ 83.6276, 87.5156,
107.0923

■ 51.0304, 51.1924,
7.2203

■ 85.2169, 90.6941,
107.6220

■ 50.9786, 51.0975,
7.1759

■ 86.8522, 93.9648,
108.1672

■ 88.0709, 96.4022,
108.5734

Harmonies

Analogous

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



72.0220, 67.7083, 38.3289



63.1900, 67.7083, 35.3297



55.3949, 67.7083, 40.5400

Triad

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



63.1900, 67.7083, 35.3297



51.3824, 67.7083, 104.0936



80.6999, 67.7083, 96.9479

Complementary

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



63.1900, 67.7083, 35.3297



39.2476, 37.9421, 83.8522

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.



74.2321, 67.7083, 121.3537



63.1900, 67.7083, 35.3297



57.2518, 67.7083, 126.0928

Square

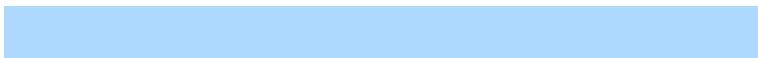
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.1900, 67.7083, 35.3297



48.9803, 67.7083, 77.1300



65.5336, 67.7083, 133.0314



82.6503, 67.7083, 70.4175

Rectangle

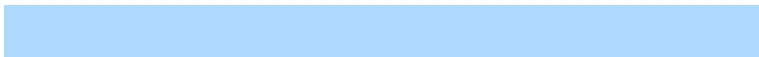
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.1900, 67.7083, 35.3297



51.6754, 67.7083, 48.8571



65.5336, 67.7083, 133.0314



78.9549, 67.7083, 105.8528

Sweetspot

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



63.1917, 67.7114, 35.3311



88.3446, 93.8551, 84.2653



50.6082, 39.6784, 39.9722



18.7640, 19.9516, 17.5142



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.



63.1917, 67.7114, 35.3311



73.3518, 78.4697, 34.2572



61.2264, 75.1008, 36.8610



16.0468, 17.0167, 15.9575



28.4720, 28.6383, 4.0271



2.3063, 2.3898, 0.3397

Inverse Universe

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



39.2476, 37.9421, 83.8522



41.0224, 38.2965, 99.8376



40.5632, 33.5387, 82.9329



14.5070, 15.1005, 19.0723



9.1341, 4.9152, 44.2103



0.7879, 0.5272, 3.4951

Previews

White Background



This preview shows how the XYZ color 63.1900, 67.7083, 35.3297 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 63.1900, 67.7083, 35.3297 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 63.1900, 67.7083, 35.3297

Background



This preview shows how black text looks on a background with the XYZ color 63.1900, 67.7083, 35.3297.



This preview shows how white text looks on a background with the XYZ color 63.1900, 67.7083,

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

63.1900, 67.7083, 35.3297

Protanopia

62.7872, 67.8775, 35.3836

Deuteranopia

68.7361, 67.5725, 37.8538



Tritanopia

71.4733, 67.4077, 76.9541

Trichromacy



Original Color

63.1900, 67.7083, 35.3297

Protanomaly

63.1146, 68.0463, 35.3989

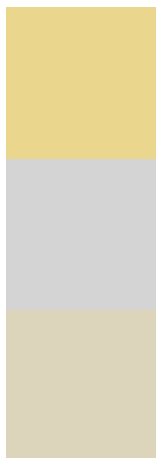
Deuteranomaly

66.7002, 67.6327, 36.7331

Tritanomaly

68.0055, 67.4428, 59.3027

Monochromacy



Original Color

63.1900, 67.7083, 35.3297

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.2791, 66.3920, 56.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1900, 67.7083, 35.3297 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(235, 214, 142)` looks like.

```
.text, #text, p{  
    color:rgb(235, 214, 142)  
}
```

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(235, 214, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 214, 142) }
```

Border

The CSS property to change the border of an element to XYZ 63.1900, 67.7083, 35.3297 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(235, 214, 142) }
```


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

```
.border{ border-color:rgb(235, 214, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 214, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 214, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 214, 142);  
box-shadow:4px 4px 4px 4px rgb(235, 214,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1900, 67.7083, 35.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 214, 142) }
```

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

```
.background{ background-color: rgb(235,  
214, 142) }
```

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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