

Converting Colors

XYZ(63.8385, 65.5683, 66.4822)

Have a look what the booklet for
XYZ(63.8385, 65.5683, 66.4822)
contains.

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Color

**XYZ(63.8237, 65.4902,
66.4037)**

Conversions

Conversions Part 1

Format	Color
Hex	DED1CC
RGB	222, 209, 204
RGB Percent	87%, 82%, 80%
CMY	0.1294, 0.1804, 0.2000
CMYK	0.00, 0.06, 0.08, 0.13
HSL	17°, 21%, 84%
HSV	17°, 8%, 87%
XYZ	63.8237, 65.4902, 66.4037
YIQ	212.3170, 9.3530, 1.2010

Conversions

Conversions Part 2

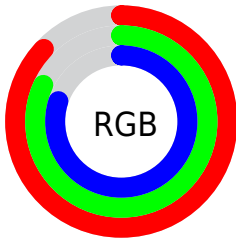
Format	Color
R _Y B	222, 211, 204
Decimal	14602700
CIE Lab	84.74, 3.64, 4.08
CIE LCh	85, 5.463, 48.262
Yxy	65.4902, 0.3261, 0.3346
Android (android.graphics.Color)	4292792780 (0xFFDED1CC)
YUV	212.3170, -4.1003, 8.4920
Hunter-Lab	80.9260, -0.8434, 7.9979

Details

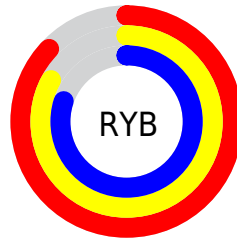
The XYZ color **63.8237, 65.4902, 66.4037** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.8992, 67.7355, 78.8669**, and the grayscale version is **62.8138, 66.0850, 71.9666**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1627, 33.8602, 33.6420** is the 20% darker color. If you saturate the color by 10%, you get **57.6124, 57.0289, 52.1196**, and if you desaturate by 10%, it is **70.8139, 74.9004, 82.8215**.

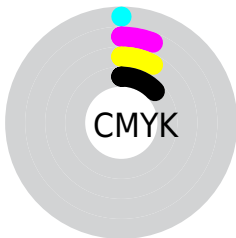
Distribution



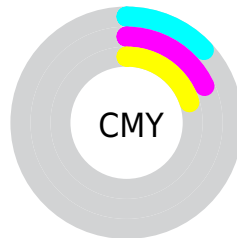
- Red (87%)
- Green (82%)
- Blue (80%)



- Red (87%)
- Yellow (83%)
- Blue (80%)



- Cyan (0%)
- Magenta (6%)
- Yellow (8%)
- Black (13%)



- Cyan (13%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8237, 65.4902, 66.4037 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 63.8237, 65.4902, 66.4037 by changing the saturation by 10% instead.

■ 63.8237, 65.4902,
66.4037

■ 63.8237, 65.4902,
66.4037

428.1650,
444.5514, 466.2628

■ 46.7690, 47.8587,
48.1416

109.4322,
112.7543, 115.6981

■ 33.0603, 33.7150,
33.5783

138.7167,
143.1557, 147.5675

■ 22.3321, 22.6747,
22.2951

172.8085,
178.5825, 184.8097

■ 14.2191, 14.3535,
13.8735

212.0730,
219.4191, 227.8434

■ 8.3559, 8.3669,
7.8950

256.8756,
266.0499, 277.0870

■ 4.3772, 4.3306,
3.9410

307.5815,

■ 1.9177, 1.8602,

318.8593, 332.9591

1.5930

364.5562,
378.2317, 395.8782

■ 0.5871, 0.5243,
0.2858

■ 0.0000, 0.0000,
0.0000

■ 63.8237, 65.4902,
66.4037

■ 63.8237, 65.4902,
66.4037

■ 57.6124, 57.0289,
52.1196

■ 70.8139, 74.9004,
82.8215

■ 52.1469, 49.4781,
39.8769

■ 78.6037, 85.2792,
101.4516

■ 47.3997, 42.8096,
29.5829

■ 83.9344, 94.2697,
108.3798

■ 43.3396, 36.9903,
21.1360

■ 39.9328, 31.9850,
14.4252

■ 37.1423, 27.7560,
9.3276

■ 34.9275, 24.2622,
5.7040

■ 33.2416, 21.4584,
3.3908

■ 32.0236, 19.2912,
2.1564

Harmonies

Analogous

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



64.5044, 65.4902, 69.2199



63.8237, 65.4902, 66.4037



62.7257, 65.4902, 64.9205

Triad

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



63.8237, 65.4902, 66.4037



59.9744, 65.4902, 69.9476



62.9856, 65.4902, 77.8902

Complementary

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



63.8237, 65.4902, 66.4037



62.8992, 67.7355, 78.8669

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.



61.7697, 65.4902, 78.1006



63.8237, 65.4902, 66.4037



60.0419, 65.4902, 73.4371

Square

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



63.8237, 65.4902, 66.4037



60.5097, 65.4902, 66.9214



60.6954, 65.4902, 76.4474



64.0161, 65.4902, 75.8816

Rectangle

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



63.8237, 65.4902, 66.4037



61.9095, 65.4902, 64.8540



60.6954, 65.4902, 76.4474



62.5847, 65.4902, 78.1760

Sweetspot

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



63.8255, 65.4931, 66.4051



93.0762, 97.3490, 104.2449



64.2682, 63.7364, 74.6978



19.9428, 20.8645, 22.3615



0.0000, 0.0000, 0.0000



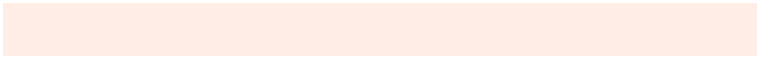
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8255, 65.4931, 66.4051



85.6182, 87.2760, 86.8287



66.0435, 69.9290, 67.1444



14.0159, 14.3177, 14.3317



18.9880, 11.4140, 1.2023



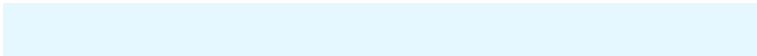
1.3903, 0.9394, 0.1080

Inverse Universe

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



62.8992, 67.7355, 78.8669



84.0628, 91.0402, 107.7497



60.6921, 63.3215, 78.1313



13.7776, 14.8944, 17.5364



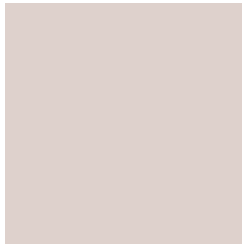
15.4252, 18.3199, 43.7715



1.1433, 1.4180, 3.0587

Previews

White Background



This preview shows how the XYZ color 63.8237, 65.4902, 66.4037 looks on a white background.

Color Contrast Check

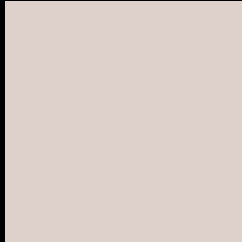
Large Text (above 18pt) WCAG AA × Fail

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 63.8237, 65.4902, 66.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

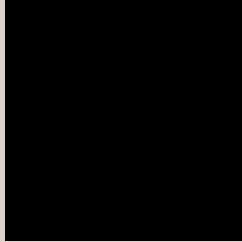
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

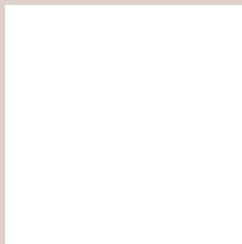
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8237, 65.4902, 66.4037

Background



This preview shows how black text looks on a background with the XYZ color 63.8237, 65.4902, 66.4037.

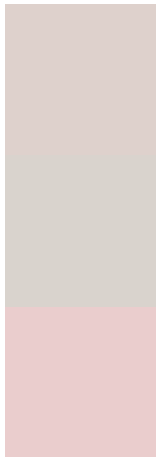


This preview shows how white text looks on a background with the XYZ color 63.8237, 65.4902,

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

63.8237, 65.4902, 66.4037

Protanopia

62.9290, 65.7480, 67.1315

Deuteranopia

66.7825, 65.5628, 66.8927



Tritanopia

66.3075, 65.4241, 78.2406

Trichromacy



Original Color

63.8237, 65.4902, 66.4037

Protanomaly

63.2795, 65.5610, 67.0770

Deuteranomaly

65.7239, 65.3734, 66.9119

Tritanomaly

65.3190, 65.3792, 73.4667

Monochromacy



Original Color

63.8237, 65.4902, 66.4037

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.1218, 65.7909, 69.6936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8237, 65.4902, 66.4037 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(222, 209, 204)` looks like.

```
.text, #text, p{  
    color:rgb(222, 209, 204)  
}
```

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(222, 209, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 209, 204) }
```

Border

The CSS property to change the border of an element to XYZ 63.8237, 65.4902, 66.4037 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(222, 209, 204) }
```


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

```
.border{ border-color:rgb(222, 209, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 209, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 209, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 209, 204);  
box-shadow:4px 4px 4px 4px rgb(222, 209,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8237, 65.4902, 66.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 209, 204) }
```

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

```
.background{ background-color: rgb(222,  
209, 204) }
```

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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