

Converting Colors

XYZ(63.9170, 68.8909, 55.5894)

Have a look what the booklet for
XYZ(63.9170, 68.8909, 55.5894)
contains.

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Color

**XYZ(64.0012, 68.8165,
55.8086)**

Conversions

Conversions Part 1

Format	Color
Hex	DFD9B9
RGB	223, 217, 185
RGB Percent	87%, 85%, 73%
CMY	0.1255, 0.1490, 0.2745
CMYK	0.00, 0.03, 0.17, 0.13
HSL	51°, 37%, 80%
HSV	51°, 17%, 87%
XYZ	64.0012, 68.8165, 55.8086
YIQ	215.1460, 13.8480, -8.6800

Conversions

Conversions Part 2

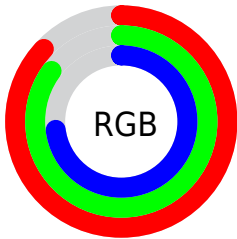
Format	Color
RYB	192, 223, 185
Decimal	14670265
CIELab	86.41, -3.19, 16.52
CIELCh	86, 16.821, 100.924
Yxy	68.8165, 0.3393, 0.3648
Android (android.graphics.Color)	4292860345 (0xFFDFD9B9)
YUV	215.1460, -14.8620, 6.8880
Hunter-Lab	82.9557, -7.4579, 18.1815

Details

The XYZ color **64.0012, 68.8165, 55.8086** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.9574, 52.9023, 77.2851**, and the grayscale version is **64.7827, 68.1564, 74.2224**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **33.2336, 35.8314, 26.9944** is the 20% darker color. If you saturate the color by 10%, you get **60.9328, 66.1559, 44.0682**, and if you desaturate by 10%, it is **67.4619, 71.6696, 69.5031**.

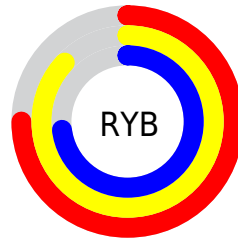
Distribution



Red (87%)

Green (85%)

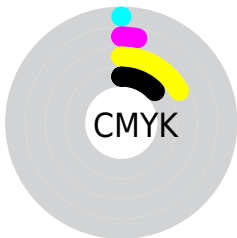
Blue (73%)



Red (75%)

Yellow (87%)

Blue (73%)

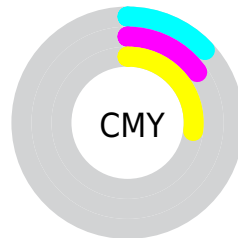


Cyan (0%)

Magenta (3%)

Yellow (17%)

Black (13%)



Cyan (13%)

Magenta (15%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0012, 68.8165, 55.8086 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 64.0012, 68.8165, 55.8086 by changing the saturation by 10% instead.

■ 64.0012, 68.8165,
55.8086

■ 64.0012, 68.8165,
55.8086

428.7961,
456.3835, 426.3378

■ 46.9133, 50.5623,
39.6465

■ 109.6864,
117.5194, 100.2077

■ 33.1748, 35.8604,
26.9514

139.0144,
148.7370, 129.2818

■ 22.4203, 24.3264,
17.3046

173.1532,
185.0444, 163.4969

■ 14.2844, 15.5759,
10.2876

212.4681,
226.8260, 203.2717

■ 8.4017, 9.2246,
5.4820

257.3245,
274.4664, 249.0246

■ 4.4070, 4.8879,
2.4691

308.0878,

■ 1.9349, 2.1817,

328.3498, 301.1743

0.8237

365.1232,
388.8608, 360.1392

■ 0.5970, 0.7100,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.0012, 68.8165,
55.8086

■ 64.0012, 68.8165,
55.8086

■ 60.9328, 66.1559,
44.0682

■ 67.4619, 71.6696,
69.5031

■ 58.2339, 63.6715,
34.1871

■ 71.3255, 74.7127,
85.2318

■ 55.8878, 61.3587,
26.0690

■ 75.6092, 77.9551,
103.0757

■ 53.8739, 59.2093,
19.6076

■ 77.0794, 80.1036,
106.0068

■ 52.1699, 57.2139,
14.6846

■ 78.0744, 82.0938,
106.3385

■ 50.7503, 55.3623,
11.1665

■ 79.0894, 84.1237,
106.6768

■ 49.5851, 53.6422,
8.8966

■ 80.1244, 86.1937,
107.0218

■ 48.6354, 52.0379,
7.6705

■ 81.1796, 88.3040,
107.3735

■ 48.3762, 51.5774,
7.4057

■ 82.2549, 90.4548,
107.7320

Harmonies

Analogous

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



67.8823, 68.8165, 56.4585



64.0012, 68.8165, 55.8086



60.6312, 68.8165, 59.8860

Triad

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



64.0012, 68.8165, 55.8086



59.9195, 68.8165, 89.8508



72.7323, 68.8165, 82.1482

Complementary

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



64.0012, 68.8165, 55.8086



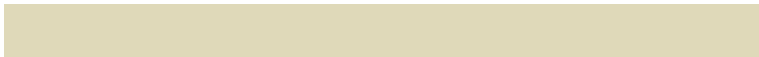
51.9574, 52.9023, 77.2851

Split Complementary

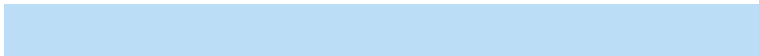
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.4294, 68.8165, 92.3022



64.0012, 68.8165, 55.8086



62.9946, 68.8165, 97.0447

Square

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



64.0012, 68.8165, 55.8086



58.3375, 68.8165, 79.0614



66.8353, 68.8165, 97.9839



73.0279, 68.8165, 70.9440

Rectangle

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



64.0012, 68.8165, 55.8086



59.0883, 68.8165, 64.9972



66.8353, 68.8165, 97.9839



72.1631, 68.8165, 85.8253

Sweetspot

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



64.0030, 68.8196, 55.8101



92.4263, 97.9292, 98.2322



57.2218, 54.1630, 56.9222



19.7065, 20.8997, 20.7170



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.



64.0030, 68.8196, 55.8101



85.3858, 92.1131, 70.4060



61.8185, 70.0292, 56.1587



14.6780, 15.6419, 14.5524



28.5132, 30.4643, 4.3774



2.0265, 2.2119, 0.3201

Inverse Universe

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



51.9574, 52.9023, 77.2851



66.5068, 67.1673, 104.0670



53.8699, 51.9871, 77.0076



13.1258, 13.5907, 17.3191



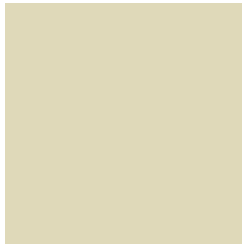
8.2411, 3.9517, 41.3768



0.6258, 0.3831, 2.8862

Previews

White Background



This preview shows how the XYZ color 64.0012, 68.8165, 55.8086 looks on a white background.

Color Contrast Check

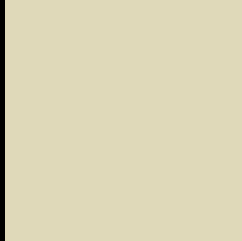
Large Text (above 18pt) WCAG AA × Fail

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 64.0012, 68.8165, 55.8086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

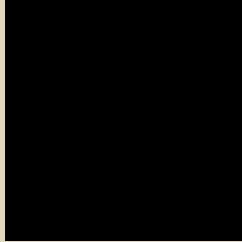
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

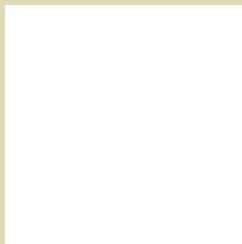
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0012, 68.8165, 55.8086

Background



This preview shows how black text looks on a background with the XYZ color 64.0012, 68.8165, 55.8086.



This preview shows how white text looks on a background with the XYZ color 64.0012, 68.8165,

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

64.0012, 68.8165, 55.8086

Protanopia

64.8861, 68.9033, 55.2272

Deuteranopia

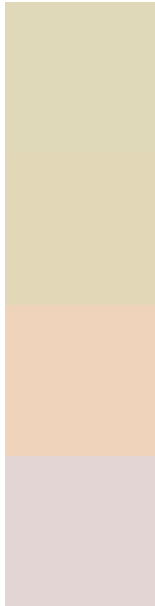
70.2369, 68.6561, 56.5638



Tritanopia

69.6110, 68.8480, 83.0189

Trichromacy



Original Color

64.0012, 68.8165, 55.8086

Protanomaly

64.5716, 68.7412, 55.2125

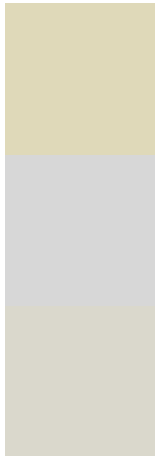
Deuteranomaly

67.7538, 68.4844, 56.1022

Tritanomaly

67.3565, 68.6729, 71.9925

Monochromacy



Original Color

64.0012, 68.8165, 55.8086

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.3684, 68.3768, 66.9322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0012, 68.8165, 55.8086 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(223, 217, 185)` looks like.

```
.text, #text, p{  
    color:rgb(223, 217, 185)  
}
```

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(223, 217, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 217, 185) }
```

Border

The CSS property to change the border of an element to XYZ 64.0012, 68.8165, 55.8086 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(223, 217, 185) }
```


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

```
.border{ border-color:rgb(223, 217, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 217, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 217, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 217, 185);  
box-shadow:4px 4px 4px 4px rgb(223, 217,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0012, 68.8165, 55.8086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 217, 185) }
```

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

```
.background{ background-color: rgb(223,  
217, 185) }
```

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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