

Converting Colors

XYZ(64.2017, 68.8287, 55.1626)

Have a look what the booklet for
XYZ(64.2017, 68.8287, 55.1626)
contains.

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Color

**XYZ(64.2051, 68.9337,
55.2690)**

Conversions

Conversions Part 1

Format	Color
Hex	E0D9B8
RGB	224, 217, 184
RGB Percent	88%, 85%, 72%
CMY	0.1216, 0.1490, 0.2784
CMYK	0.00, 0.03, 0.18, 0.12
HSL	50°, 39%, 80%
HSV	50°, 18%, 88%
XYZ	64.2051, 68.9337, 55.2690
YIQ	215.3310, 14.7650, -8.7790

Conversions

Conversions Part 2

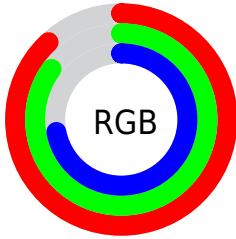
Format	Color
R _Y B	192, 224, 184
Decimal	14735800
CIE Lab	86.47, -2.97, 17.13
CIE LCh	86, 17.390, 99.845
Yxy	68.9337, 0.3408, 0.3659
Android (android.graphics.Color)	4292925880 (0xFFE0D9B8)
YUV	215.3310, -15.4462, 7.6027
Hunter-Lab	83.0263, -7.2602, 18.6502

Details

The XYZ color **64.2051, 68.9337, 55.2690** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.8524, 52.8328, 77.9864**, and the grayscale version is **64.9116, 68.2921, 74.3701**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **33.3793, 35.9144, 26.6456** is the 20% darker color. If you saturate the color by 10%, you get **61.0434, 66.0747, 43.5335**, and if you desaturate by 10%, it is **67.7663, 71.9955, 68.9737**.

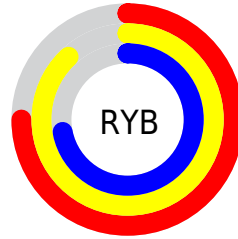
Distribution



Red (88%)

Green (85%)

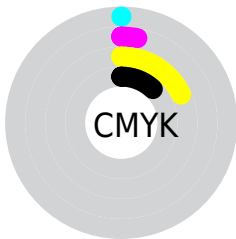
Blue (72%)



Red (75%)

Yellow (88%)

Blue (72%)

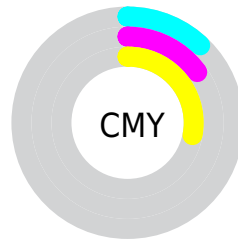


Cyan (0%)

Magenta (3%)

Yellow (18%)

Black (12%)



Cyan (12%)

Magenta (15%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2051, 68.9337, 55.2690 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 64.2051, 68.9337, 55.2690 by changing the saturation by 10% instead.

■ 64.2051, 68.9337,
55.2690

■ 64.2051, 68.9337,
55.2690

429.5204,
456.7971, 424.2415

■ 47.0791, 50.6577,
39.2171

■ 109.9783,
117.6869, 99.4101

■ 33.3064, 35.9363,
26.6195

139.3563,
148.9329, 128.3363

■ 22.5216, 24.3850,
17.0578

173.5490,
185.2710, 162.3910

■ 14.3594, 15.6194,
10.1133

212.9217,
227.0856, 201.9929

■ 8.4545, 9.2553,
5.3676

257.8399,
274.7611, 247.5603

■ 4.4413, 4.9081,
2.4020

308.6688,

■ 1.9547, 2.1934,

328.6819, 299.5118

0.7875

365.7739,
389.2325, 358.2660

■ 0.6083, 0.7164,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2051, 68.9337,
55.2690

■ 64.2051, 68.9337,
55.2690

■ 61.0434, 66.0747,
43.5335

■ 67.7663, 71.9955,
68.9737

■ 58.2580, 63.4021,
33.6707

■ 71.7381, 75.2577,
84.7291

■ 55.8319, 60.9110,
25.5829

■ 76.1376, 78.7300,
102.6174

■ 53.7442, 58.5928,
19.1613

■ 77.8378, 81.1616,
106.1710

■ 51.9718, 56.4380,
14.2856

■ 78.9572, 83.4003,
106.5441

■ 50.4887, 54.4360,
10.8189

■ 80.1013, 85.6885,
106.9255

■ 49.2642, 52.5741,
8.6005

■ 81.2703, 88.0266,
107.3152

■ 48.2556, 50.8351,
7.4067

■ 82.4644, 90.4147,
107.7132

■ 48.0533, 50.4727,
7.2095

■ 83.6837, 92.8534,
108.1196

Harmonies

Analogous

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



68.2223, 68.9337, 56.1139



64.2051, 68.9337, 55.2690



60.6850, 68.9337, 59.2937

Triad

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



64.2051, 68.9337, 55.2690



59.7554, 68.9337, 90.1720



73.0563, 68.9337, 82.9559

Complementary

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



64.2051, 68.9337, 55.2690



51.8524, 52.8328, 77.9864

Split Complementary

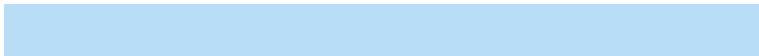
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6040, 68.9337, 93.3925



64.2051, 68.9337, 55.2690



62.8888, 68.9337, 97.8454

Square

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



64.2051, 68.9337, 55.2690



58.1864, 68.9337, 78.9108



66.8515, 68.9337, 99.0808



73.4440, 68.9337, 71.3309

Rectangle

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



64.2051, 68.9337, 55.2690



59.0530, 68.9337, 64.4647



66.8515, 68.9337, 99.0808



72.4414, 68.9337, 86.7506

Sweetspot

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



64.2069, 68.9368, 55.2705



92.3574, 97.7914, 98.2093



57.3225, 53.9055, 56.8673



19.6897, 20.8661, 20.7114



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.



64.2069, 68.9368, 55.2705



84.6804, 91.1879, 68.6742



62.2677, 70.6709, 55.7074



14.6572, 15.6003, 14.5454



28.0459, 29.5298, 4.2216



1.9983, 2.1554, 0.3107

Inverse Universe

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



51.8524, 52.8328, 77.9864



65.5069, 66.1967, 103.9324



53.5347, 51.4892, 77.6384



13.1449, 13.6289, 17.3255



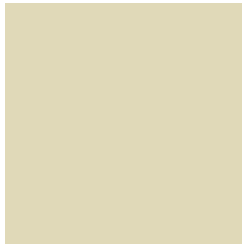
8.3156, 4.1007, 41.4016



0.6348, 0.4011, 2.8892

Previews

White Background



This preview shows how the XYZ color 64.2051, 68.9337, 55.2690 looks on a white background.

Color Contrast Check

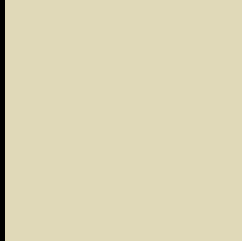
Large Text (above 18pt) WCAG AA × Fail

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 64.2051, 68.9337, 55.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

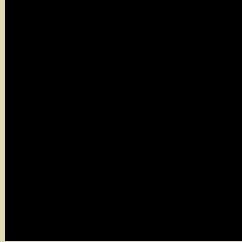
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

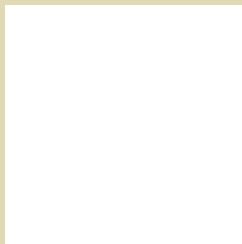
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2051, 68.9337, 55.2690

Background



This preview shows how black text looks on a background with the XYZ color 64.2051, 68.9337, 55.2690.



This preview shows how white text looks on a background with the XYZ color 64.2051, 68.9337,

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

64.2051, 68.9337, 55.2690

Protanopia

65.0980, 69.0246, 54.6918

Deuteranopia

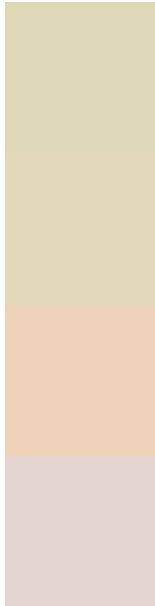
70.1302, 68.6134, 56.0018



Tritanopia

69.7925, 68.9576, 82.3047

Trichromacy



Original Color

64.2051, 68.9337, 55.2690

Protanomaly

64.7817, 68.8615, 54.6770

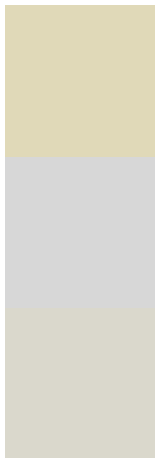
Deuteranomaly

67.6478, 68.4420, 55.5442

Tritanomaly

67.5470, 68.7856, 71.3449

Monochromacy



Original Color

64.2051, 68.9337, 55.2690

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 64.2051, 68.9337, 55.2690 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(224, 217, 184)` looks like.

```
.text, #text, p{  
    color:rgb(224, 217, 184)  
}
```

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(224, 217, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 217, 184) }
```

Border

The CSS property to change the border of an element to XYZ 64.2051, 68.9337, 55.2690 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(224, 217, 184) }
```


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

```
.border{ border-color:rgb(224, 217, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 217, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 217, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 217, 184);  
box-shadow:4px 4px 4px 4px rgb(224, 217,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2051, 68.9337, 55.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 217, 184) }
```

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

```
.background{ background-color: rgb(224,  
217, 184) }
```

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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