

Converting Colors

XYZ(64.2068, 69.1798, 51.2885)

Have a look what the booklet for
XYZ(64.2068, 69.1798, 51.2885)
contains.

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Color

**XYZ(64.0134, 68.9290,
51.0051)**

Conversions

Conversions Part 1

Format	Color
Hex	E2D9B0
RGB	226, 217, 176
RGB Percent	89%, 85%, 69%
CMY	0.1137, 0.1490, 0.3098
CMYK	0.00, 0.04, 0.22, 0.11
HSL	49°, 46%, 79%
HSV	49°, 22%, 89%
XYZ	64.0134, 68.9290, 51.0051
YIQ	215.0170, 18.5250, -10.8430

Conversions

Conversions Part 2

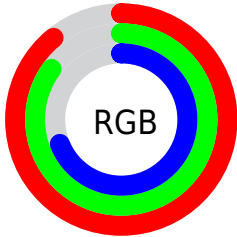
Format	Color
RYB	187, 226, 176
Decimal	14866864
CIELab	86.47, -3.40, 21.34
CIELCh	86, 21.612, 99.052
Yxy	68.9290, 0.3480, 0.3747
Android (android.graphics.Color)	4293056944 (0xFFE2D9B0)
YUV	215.0170, -19.2354, 9.6321
Hunter-Lab	83.0235, -7.6627, 21.6919

Details

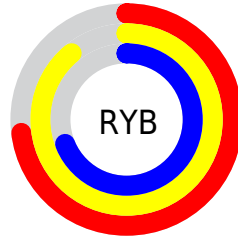
The XYZ color **64.0134, 68.9290, 51.0051** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.9809, 49.4181, 78.9091**, and the grayscale version is **64.7217, 68.0923, 74.1525**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **33.0730, 35.8168, 23.9091** is the 20% darker color. If you saturate the color by 10%, you get **60.9263, 66.0402, 39.8472**, and if you desaturate by 10%, it is **67.5022, 72.0246, 64.1353**.

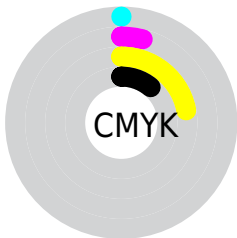
Distribution



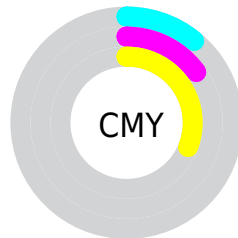
- Red (89%)
- Green (85%)
- Blue (69%)



- Red (73%)
- Yellow (89%)
- Blue (69%)



- Cyan (0%)
- Magenta (4%)
- Yellow (22%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0134, 68.9290, 51.0051 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 64.0134, 68.9290, 51.0051 by changing the saturation by 10% instead.

■ 64.0134, 68.9290,
51.0051

■ 64.0134, 68.9290,
51.0051

428.8395,
456.7805, 407.4307

■ 46.9232, 50.6539,
35.8359

■ 109.7039,
117.6802, 93.0739

■ 33.1827, 35.9332,
24.0188

139.0349,
148.9250, 120.8106

■ 22.4263, 24.3826,
15.1352

173.1769,
185.2619, 153.5735

■ 14.2888, 15.6177,
8.7667

212.4953,
227.0752, 191.7812

■ 8.4049, 9.2540,
4.4946

257.3554,
274.7493, 235.8522

■ 4.4091, 4.9073,
1.9004

308.1225,

■ 1.9361, 2.1929,

328.6686, 286.2052

0.4930

365.1621,
389.2176, 343.2585

■ 0.5977, 0.7161,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.0134, 68.9290,
51.0051

■ 64.0134, 68.9290,
51.0051

■ 60.9263, 66.0402,
39.8472

■ 67.5022, 72.0246,
64.1353

■ 58.2170, 63.3411,
30.5601

■ 71.4047, 75.3249,
79.3236

■ 55.8671, 60.8265,
23.0399

■ 75.7390, 78.8398,
96.6563

■ 53.8544, 58.4873,
17.1709

■ 78.6295, 81.8193,
106.2562

■ 52.1542, 56.3132,
12.8236

■ 79.7956, 84.1516,
106.6449

■ 50.7379, 54.2924,
9.8488

■ 80.9885, 86.5373,
107.0426

■ 49.5714, 52.4111,
8.0674

■ 82.2082, 88.9768,
107.4491

■ 48.7847, 51.0097,
7.2746

■ 83.4550, 91.4703,
107.8647

■ 84.7290, 94.0183,
108.2894

Harmonies

Analogous

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



69.0138, 68.9290, 52.1556



64.0134, 68.9290, 51.0051



59.6406, 68.9290, 55.6300

Triad

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



64.0134, 68.9290, 51.0051



58.3265, 68.9290, 93.7771



74.9134, 68.9290, 85.3362

Complementary

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



64.0134, 68.9290, 51.0051



48.9809, 49.4181, 78.9091

Split Complementary

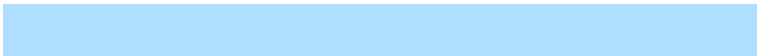
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7629, 68.9290, 98.5379



64.0134, 68.9290, 51.0051



62.1364, 68.9290, 103.8258

Square

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



64.0134, 68.9290, 51.0051



56.4689, 68.9290, 79.4695



67.0398, 68.9290, 105.6709



75.4790, 68.9290, 70.8012

Rectangle

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



64.0134, 68.9290, 51.0051



57.6080, 68.9290, 61.7599



67.0398, 68.9290, 105.6709



74.1142, 68.9290, 90.1262

Sweetspot

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



64.0152, 68.9321, 51.0066



91.2921, 96.8713, 94.1221



55.6647, 50.7302, 52.8502



19.4737, 20.6781, 19.8871



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.



64.0152, 68.9321, 51.0066



82.0539, 88.6815, 59.3306



61.6594, 71.2541, 51.5789



14.6511, 15.5881, 14.5434



27.9112, 29.2603, 4.1767



1.9901, 2.1390, 0.3080

Inverse Universe

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



48.9809, 49.4181, 78.9091



58.6532, 58.3119, 102.7717



50.9497, 47.7274, 78.4790



13.1505, 13.6401, 17.3274



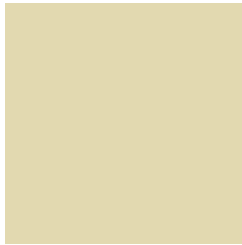
8.3388, 4.1471, 41.4093



0.6374, 0.4064, 2.8901

Previews

White Background



This preview shows how the XYZ color 64.0134, 68.9290, 51.0051 looks on a white background.

Color Contrast Check

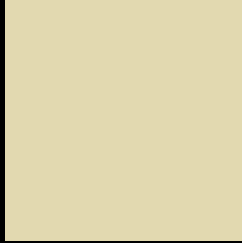
Large Text (above 18pt) WCAG AA × Fail

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 64.0134, 68.9290, 51.0051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

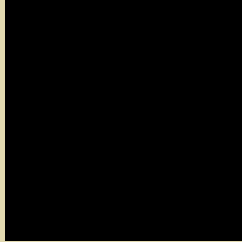
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

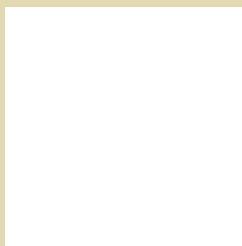
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0134, 68.9290, 51.0051

Background



This preview shows how black text looks on a background with the XYZ color 64.0134, 68.9290, 51.0051.



This preview shows how white text looks on a background with the XYZ color 64.0134, 68.9290,

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

64.0134, 68.9290, 51.0051

Protanopia

64.6068, 68.8649, 50.4445

Deuteranopia

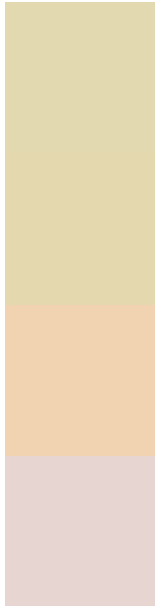
70.3754, 68.8353, 51.6968



Tritanopia

70.1904, 68.7950, 82.2524

Trichromacy



Original Color

64.0134, 68.9290, 51.0051

Protanomaly

64.2886, 68.7009, 50.4297

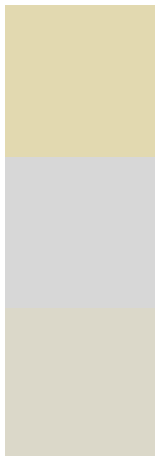
Deuteranomaly

67.8480, 68.6401, 51.2679

Tritanomaly

67.8125, 68.9656, 69.4121

Monochromacy



Original Color

64.0134, 68.9290, 51.0051

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.3119, 68.3888, 65.0691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0134, 68.9290, 51.0051 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(226, 217, 176)` looks like.

```
.text, #text, p{  
    color:rgb(226, 217, 176)  
}
```

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(226, 217, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 217, 176) }
```

Border

The CSS property to change the border of an element to XYZ 64.0134, 68.9290, 51.0051 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(226, 217, 176) }
```


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

```
.border{ border-color:rgb(226, 217, 176) }
```

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

Here you see how a box with a 4 pixel rgb(226, 217, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 217, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 217, 176);  
box-shadow:4px 4px 4px 4px rgb(226, 217,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0134, 68.9290, 51.0051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 217, 176) }
```

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

```
.background{ background-color: rgb(226,  
217, 176) }
```

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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