

Converting Colors

XYZ(64.9225, 70.2942, 58.1243)

Have a look what the booklet for
XYZ(64.9225, 70.2942, 58.1243)
contains.

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Color

**XYZ(64.9027, 70.3901,
58.3100)**

Conversions

Conversions Part 1

Format	Color
Hex	DEDCBD
RGB	222, 220, 189
RGB Percent	87%, 86%, 74%
CMY	0.1294, 0.1372, 0.2588
CMYK	0.00, 0.01, 0.15, 0.13
HSL	56°, 33%, 81%
HSV	56°, 15%, 87%
XYZ	64.9027, 70.3901, 58.3100
YIQ	217.0640, 11.1430, -9.2170

Conversions

Conversions Part 2

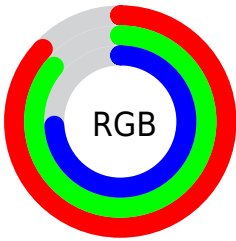
Format	Color
RYB	191, 222, 189
Decimal	14605501
CIELab	87.19, -4.48, 15.50
CIELCh	87, 16.130, 106.122
Yxy	70.3901, 0.3352, 0.3636
Android (android.graphics.Color)	4292795581 (0xFFDEDCBD)
YUV	217.0640, -13.8356, 4.3289
Hunter-Lab	83.8988, -8.7383, 17.5224

Details

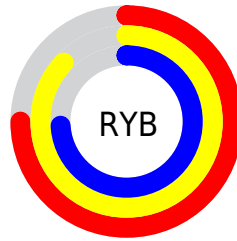
The XYZ color **64.9027, 70.3901, 58.3100** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.8018, 53.3533, 76.6231**, and the grayscale version is **66.0853, 69.5269, 75.7148**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **33.8354, 36.9033, 28.6323** is the 20% darker color. If you saturate the color by 10%, you get **62.3249, 68.7999, 46.4580**, and if you desaturate by 10%, it is **67.8560, 72.1398, 72.1087**.

Distribution



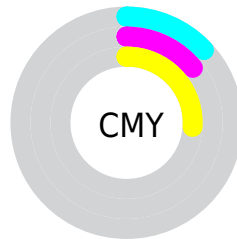
- Red (87%)
- Green (86%)
- Blue (74%)



- Red (75%)
- Yellow (87%)
- Blue (74%)



- Cyan (0%)
- Magenta (1%)
- Yellow (15%)
- Black (13%)



- Cyan (13%)
- Magenta (14%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9027, 70.3901, 58.3100 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 64.9027, 70.3901, 58.3100 by changing the saturation by 10% instead.

■ 64.9027, 70.3901,
58.3100

■ 64.9027, 70.3901,
58.3100

431.9930,
461.9185, 435.9705

■ 47.6466, 51.8446,
41.6416

■ 110.9764,
119.7649, 103.8934

■ 33.7572, 36.8812,
28.4973

140.5248,
151.3630, 133.6454

■ 22.8691, 25.1156,
18.4585

174.9013,
188.0808, 168.5957

■ 14.6171, 16.1632,
11.1069

214.4712,
230.3026, 209.1629

■ 8.6356, 9.6397,
6.0237

259.6000,
278.4129, 255.7654

■ 4.5595, 5.1607,
2.7905

310.6530,

■ 2.0233, 2.3419,

332.7961, 308.8218

0.9887

367.9955,
393.8365, 368.7507

■ 0.6470, 0.7957,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9027, 70.3901,
58.3100

■ 64.9027, 70.3901,
58.3100

■ 62.3249, 68.7999,
46.4580

■ 67.8560, 72.1398,
72.1087

■ 60.1002, 67.3531,
36.4601

■ 71.1949, 74.0458,
87.9320

■ 58.2126, 66.0456,
28.2230

■ 74.8388, 76.0785,
105.3479

■ 56.6424, 64.8695,
21.6435

■ 75.2011, 76.8030,
105.4687

■ 55.3679, 63.8163,
16.6076

■ 75.5662, 77.5333,
105.5904

■ 54.3648, 62.8760,
12.9869

■ 75.9342, 78.2693,
105.7131

■ 53.6047, 62.0375,
10.6326

■ 76.3051, 79.0110,
105.8367

■ 53.0532, 61.2868,
9.3623

■ 76.6788, 79.7584,
105.9612

■ 52.8214, 60.9236,
8.9754

■ 77.0554, 80.5116,
106.0868

Harmonies

Analogous

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



68.6648, 70.3901, 58.1341



64.9027, 70.3901, 58.3100



61.7928, 70.3901, 63.0828

Triad

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



64.9027, 70.3901, 58.3100



61.9842, 70.3901, 92.6727



74.2219, 70.3901, 81.7524

Complementary

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



64.9027, 70.3901, 58.3100



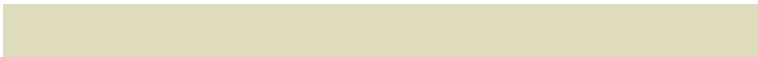
52.8018, 53.3533, 76.6231

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.



72.2888, 70.3901, 92.0190



64.9027, 70.3901, 58.3100



65.1730, 70.3901, 98.7142

Square

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



64.9027, 70.3901, 58.3100



60.1518, 70.3901, 82.5786



68.9454, 70.3901, 98.4643



74.1428, 70.3901, 70.9986

Rectangle

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



64.9027, 70.3901, 58.3100



60.4660, 70.3901, 68.5104



68.9454, 70.3901, 98.4643



73.7828, 70.3901, 85.3947

Sweetspot

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



64.9046, 70.3932, 58.3115



93.2545, 98.9675, 100.4138



57.7486, 55.6961, 57.1134



19.8901, 21.1424, 21.1619



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.



64.9046, 70.3932, 58.3115



87.6420, 95.6304, 74.2258



61.2355, 69.2838, 58.2908



14.7971, 15.8801, 14.5921



31.4045, 36.2469, 5.3412



2.1986, 2.5561, 0.3775

Inverse Universe

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



52.8018, 53.3533, 76.6231



67.8851, 67.8146, 104.1193



56.0936, 54.4088, 76.6533



13.0182, 13.3756, 17.2833



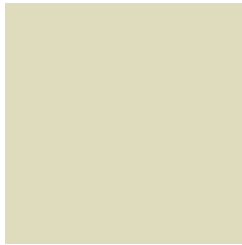
7.9471, 3.3637, 41.2788



0.5746, 0.2807, 2.8691

Previews

White Background



This preview shows how the XYZ color 64.9027, 70.3901, 58.3100 looks on a white background.

Color Contrast Check

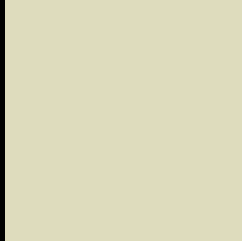
Large Text (above 18pt) WCAG AA × Fail

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 64.9027, 70.3901, 58.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

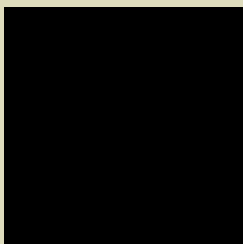
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

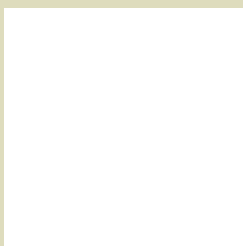
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9027, 70.3901, 58.3100

Background



This preview shows how black text looks on a background with the XYZ color 64.9027, 70.3901, 58.3100.



This preview shows how white text looks on a background with the XYZ color 64.9027, 70.3901,

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

64.9027, 70.3901, 58.3100

Protanopia

66.4616, 70.4317, 57.6687

Deuteranopia

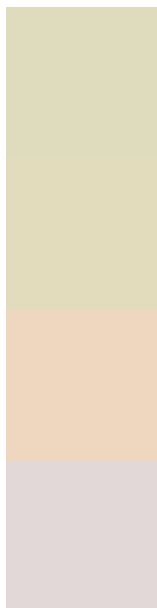
71.5175, 69.9945, 59.0311



Tritanopia

70.4653, 70.3566, 85.4676

Trichromacy



Original Color

64.9027, 70.3901, 58.3100

Protanomaly

65.7726, 70.4626, 57.7110

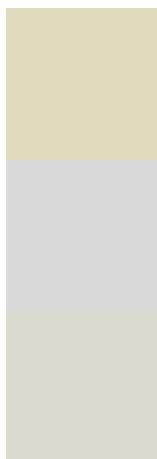
Deuteranomaly

68.9374, 70.1616, 58.6243

Tritanomaly

68.3146, 70.2384, 74.9225

Monochromacy



Original Color

64.9027, 70.3901, 58.3100

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.5473, 69.7079, 69.0317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9027, 70.3901, 58.3100 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, 220, 189)` looks like.

```
.text, #text, p{  
    color:rgb(222, 220, 189)  
}
```

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, 220, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 220, 189) }
```

Border

The CSS property to change the border of an element to XYZ 64.9027, 70.3901, 58.3100 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, 220, 189) }
```


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

```
.border{ border-color:rgb(222, 220, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 220, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 220, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 220, 189);  
box-shadow:4px 4px 4px 4px rgb(222, 220,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9027, 70.3901, 58.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 220, 189) }
```

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

```
.background{ background-color: rgb(222,  
220, 189) }
```

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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