

Converting Colors

XYZ(47.5726, 50.4893, 30.8281)

Have a look what the booklet for
XYZ(47.5726, 50.4893, 30.8281)
contains.

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Color

**XYZ(47.4625, 50.3259,
30.8792)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CDBB89 |
| RGB | 205, 187, 137 |
| RGB Percent | 80%, 73%, 54% |
| CMY | 0.1961, 0.2666, 0.4627 |
| CMYK | 0.00, 0.09, 0.33, 0.20 |
| HSL | 44°, 40%, 67% |
| HSV | 44°, 33%, 80% |
| XYZ | 47.4625, 50.3259, 30.8792 |
| YIQ | 186.6820, 26.7780, -11.7340 |

Conversions

Conversions Part 2

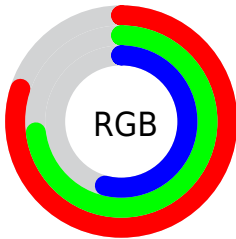
| Format | Color |
|-------------------------------------|---|
| RYB | 161, 205, 137 |
| Decimal | 13482889 |
| CIELab | 76.27, -1.03, 27.68 |
| CIELCh | 76, 27.702, 92.131 |
| Yxy | 50.3259, 0.3689, 0.3911 |
| Android (android.graphics.Color) | 4291672969 (0xFFCDBB89) |
| YUV | 186.6820, -24.4932, 16.0649 |
| Hunter-Lab | 70.9407, -4.7219, 23.8507 |

Details

The XYZ color **47.4625, 50.3259, 30.8792** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.0570, 33.1678, 62.4174**, and the grayscale version is **47.1790, 49.6359, 54.0535**.

A 20% lighter version of the original color is **82.6946, 89.1228, 62.1342**, and **22.8231, 24.2223, 12.4893** is the 20% darker color. If you saturate the color by 10%, you get **45.0006, 47.5360, 23.4800**, and if you desaturate by 10%, it is **50.2499, 53.3192, 39.7665**.

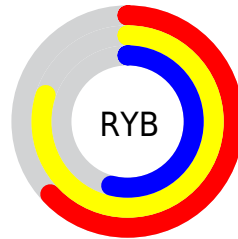
Distribution



Red (80%)

Green (73%)

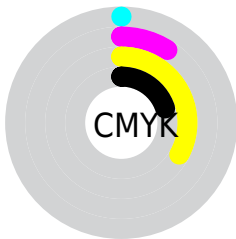
Blue (54%)



Red (63%)

Yellow (80%)

Blue (54%)

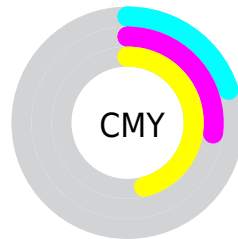


Cyan (0%)

Magenta (9%)

Yellow (33%)

Black (20%)



Cyan (20%)

Magenta (27%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4625, 50.3259, 30.8792 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 47.4625, 50.3259, 30.8792 by changing the saturation by 10% instead.

■ 47.4625, 50.3259,
30.8792

■ 47.4625, 50.3259,
30.8792

367.2758,
387.9390, 320.3154

■ 33.6109, 35.6724,
20.2492

■ 85.6181, 90.6576,
62.1272

■ 22.7563, 24.1813,
12.3904

■ 110.6529,
117.1045, 83.5822

■ 14.5334, 15.4682,
6.8844

■ 140.1460,
148.2514, 109.4827

■ 8.5767, 9.1486,
3.3126

174.4630,
184.4827, 140.2471

■ 4.5210, 4.8382,
1.2564

213.9691,
226.1827, 176.2941

■ 2.0009, 2.1527,
0.0256

259.0297,

■ 0.6345, 0.6940,

273.7358, 218.0421

0.0000

310.0101,
327.5265, 265.9096

■ 0.0000, 0.0000,
0.0000

■ 47.4625, 50.3259,
30.8792

■ 47.4625, 50.3259,
30.8792

■ 45.0006, 47.5360,
23.4800

■ 50.2499, 53.3192,
39.7665

■ 42.8440, 44.9352,
17.4820

■ 53.3740, 56.5156,
50.2159

■ 40.9761, 42.5180,
12.7941

■ 56.8501, 59.9240,
62.3002

■ 39.3767, 40.2754,
9.3132

■ 60.6915, 63.5502,
76.0867

■ 38.0229, 38.1976,
6.9204

■ 64.9107, 67.4001,
91.6389

■ 36.8870, 36.2725,
5.4727

■ 68.7036, 71.1526,
104.7205

■ 36.2032, 35.0318,
4.8537

■ 70.1468, 74.0391,
105.2016

■ 71.6367, 77.0189,
105.6982

■ 73.1736, 80.0926,
106.2105

Harmonies

Analogous

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



52.6594, 50.3259, 33.1860



47.4625, 50.3259, 30.8792



42.7116, 50.3259, 33.9538

Triad

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



47.4625, 50.3259, 30.8792



39.8583, 50.3259, 71.4751



57.2247, 50.3259, 69.2964

Complementary

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



47.4625, 50.3259, 30.8792



33.0570, 33.1678, 62.4174

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.



53.3488, 50.3259, 82.7884



47.4625, 50.3259, 30.8792



43.3114, 50.3259, 84.1980

Square

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



47.4625, 50.3259, 30.8792



38.5239, 50.3259, 55.8678



48.2059, 50.3259, 88.6695



58.5332, 50.3259, 53.7387

Rectangle

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



47.4625, 50.3259, 30.8792



40.3686, 50.3259, 39.0355



48.2059, 50.3259, 88.6695



56.1657, 50.3259, 74.3140

Sweetspot

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



47.4638, 50.3282, 30.8802



89.0977, 94.2348, 87.9885



40.0505, 33.2420, 35.3751



18.9019, 20.0029, 18.2524



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.



47.4638, 50.3282, 30.8802



74.7351, 79.0506, 41.4563



47.3663, 56.3048, 32.0390



11.8929, 12.5748, 11.8798



22.6191, 21.9712, 3.0487



1.2269, 1.2534, 0.1773

Inverse Universe

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



33.0570, 33.1678, 62.4174



47.5067, 46.6320, 101.1047



33.0773, 29.0590, 61.6233



10.8392, 11.3188, 14.1838



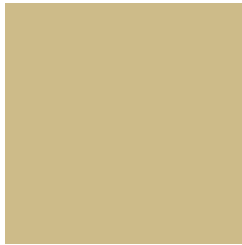
7.7556, 4.5352, 36.4229



0.4638, 0.3613, 1.9002

Previews

White Background



This preview shows how the XYZ color 47.4625, 50.3259, 30.8792 looks on a white background.

Color Contrast Check

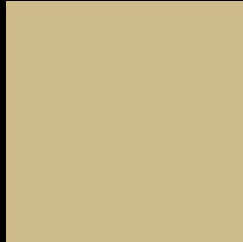
Large Text (above 18pt) WCAG AA × Fail

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 47.4625, 50.3259, 30.8792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

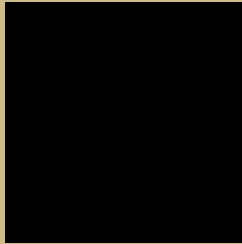
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4625, 50.3259, 30.8792

Background



This preview shows how black text looks on a background with the XYZ color 47.4625, 50.3259, 30.8792.



This preview shows how white text looks on a background with the XYZ color 47.4625, 50.3259,

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

47.4625, 50.3259, 30.8792

Protanopia

46.8557, 50.3291, 30.9118

Deuteranopia

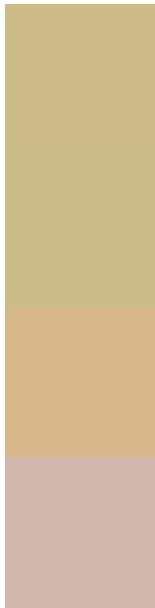
51.0329, 50.0071, 31.0074



Tritanopia

52.9228, 50.3864, 57.9752

Trichromacy



Original Color

47.4625, 50.3259, 30.8792

Protanomaly

47.1272, 50.4691, 30.9246

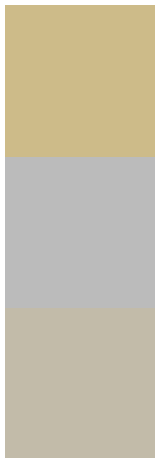
Deuteranomaly

49.8398, 50.3009, 31.1270

Tritanomaly

50.7708, 50.4394, 46.5950

Monochromacy



Original Color

47.4625, 50.3259, 30.8792

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1799, 49.8746, 44.6762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4625, 50.3259, 30.8792 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(205, 187, 137)` looks like.

```
.text, #text, p{  
    color:rgb(205, 187, 137)  
}
```

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(205, 187, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 187, 137) }
```

Border

The CSS property to change the border of an element to XYZ 47.4625, 50.3259, 30.8792 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(205, 187, 137) }
```


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

```
.border{ border-color:rgb(205, 187, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 187, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 187, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 187, 137);  
box-shadow:4px 4px 4px 4px rgb(205, 187,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4625, 50.3259, 30.8792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 187, 137) }
```

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

```
.background{ background-color: rgb(205,  
187, 137) }
```

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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