

Converting Colors

XYZ(47.3713, 50.4389, 14.6956)

Have a look what the booklet for
XYZ(47.3713, 50.4389, 14.6956)
contains.

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Color

**XYZ(47.2891, 50.2813,
14.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	D8BA4F
RGB	216, 186, 79
RGB Percent	85%, 73%, 31%
CMY	0.1529, 0.2706, 0.6902
CMYK	0.00, 0.14, 0.63, 0.15
HSL	47°, 64%, 58%
HSV	47°, 63%, 85%
XYZ	47.2891, 50.2813, 14.6100
YIQ	182.7720, 52.2270, -26.9170

Conversions

Conversions Part 2

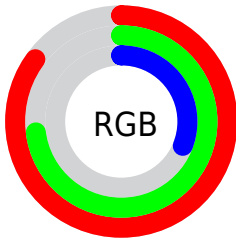
Format	Color
RYB	117, 216, 79
Decimal	14203471
CIELab	76.24, -1.40, 56.65
CIELCh	76, 56.664, 91.412
Yxy	50.2813, 0.4215, 0.4482
Android (android.graphics.Color)	4292393551 (0xFFD8BA4F)
YUV	182.7720, -51.1596, 29.1410
Hunter-Lab	70.9093, -5.0504, 37.4205

Details

The XYZ color **47.2891, 50.2813, 14.6100** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **21.0876, 17.5568, 67.2427**, and the grayscale version is **45.1374, 47.4880, 51.7145**.

A 20% lighter version of the original color is **77.1570, 86.4302, 34.4459**, and **22.6427, 24.1060, 4.2701** is the 20% darker color. If you saturate the color by 10%, you get **45.6476, 48.0588, 10.7942**, and if you desaturate by 10%, it is **49.2213, 52.6768, 19.7836**.

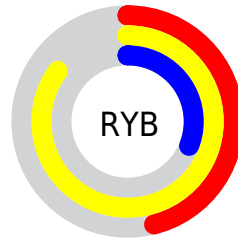
Distribution



Red (85%)

Green (73%)

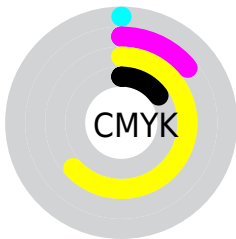
Blue (31%)



Red (46%)

Yellow (85%)

Blue (31%)

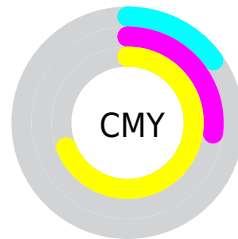


Cyan (0%)

Magenta (14%)

Yellow (63%)

Black (15%)



Cyan (15%)

Magenta (27%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2891, 50.2813, 14.6100 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 47.2891, 50.2813, 14.6100 by changing the saturation by 10% instead.

■ 47.2891, 50.2813,
14.6100

■ 47.2891, 50.2813,
14.6100

366.5970,
387.7650, 232.5522

■ 33.4732, 35.6370,
8.4026

■ 85.3611, 90.5915,
34.9001

■ 22.6501, 24.1539,
4.2622

■ 110.3479,
117.0262, 49.8199

■ 14.4547, 15.4479,
1.7702

■ 139.7890,
148.1598, 68.4808

■ 8.5214, 9.1343,
0.4082

■ 174.0498,
184.3766, 91.3015

■ 4.4849, 4.8289,
0.0000

■ 213.4957,
226.0612, 118.7004

■ 1.9800, 2.1472,
0.0000

258.4919,

■ 0.6227, 0.6910,

273.5979, 151.0962

0.0000

309.4039,
327.3710, 188.9073

■ 0.0000, 0.0000,
0.0000

■ 47.2891, 50.2813,
14.6100

■ 47.2891, 50.2813,
14.6100

■ 45.6476, 48.0588,
10.7942

■ 49.2213, 52.6768,
19.7836

■ 44.2671, 45.9910,
8.1974

■ 51.4634, 55.2475,
26.4298

■ 43.1174, 44.0672,
6.6560

■ 54.0367, 58.0044,
34.6546

■ 42.4527, 42.8667,
6.0366

■ 56.9597, 60.9555,
44.5534

■ 60.2492, 64.1079,
56.2139

■ 63.9211, 67.4684,
69.7178

■ 67.9901, 71.0434,
85.1416

■ 72.4703, 74.8389,
102.5574

■ 74.2684, 77.6182,
105.6752

Harmonies

Analogous

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



58.2502, 50.2813, 17.7628



47.2891, 50.2813, 14.6100



37.9128, 50.2813, 18.4524

Triad

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



47.2891, 50.2813, 14.6100



32.3875, 50.2813, 91.2614



68.0718, 50.2813, 87.7947

Complementary

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



47.2891, 50.2813, 14.6100



21.0876, 17.5568, 67.2427

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.



59.2510, 50.2813, 121.4155



47.2891, 50.2813, 14.6100



38.6651, 50.2813, 123.8845

Square

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



47.2891, 50.2813, 14.6100



30.1361, 50.2813, 56.2026



48.2962, 50.2813, 136.5599



71.2662, 50.2813, 53.3183

Rectangle

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



47.2891, 50.2813, 14.6100



33.5325, 50.2813, 25.7590



48.2962, 50.2813, 136.5599



65.6077, 50.2813, 99.9586

Sweetspot

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



47.2903, 50.2837, 14.6110



84.9165, 90.6809, 71.7710



33.9825, 21.3383, 17.3576



17.8870, 19.1298, 14.3483



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.



47.2903, 50.2837, 14.6110



65.7740, 68.9716, 14.2894



44.6657, 59.3154, 16.4926



13.2314, 14.0371, 13.1728



25.2105, 25.5382, 3.6006



1.5790, 1.6572, 0.2366

Inverse Universe

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



21.0876, 17.5568, 67.2427



24.8999, 18.0447, 96.7784



22.3317, 14.2315, 66.5353



11.9609, 12.4452, 15.7093



8.0106, 4.2831, 38.8577



0.5455, 0.3830, 2.3645

Previews

White Background



This preview shows how the XYZ color 47.2891, 50.2813, 14.6100 looks on a white background.

Color Contrast Check

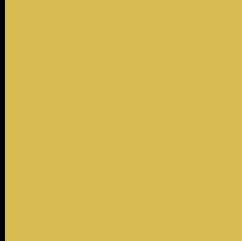
Large Text (above 18pt) WCAG AA × Fail

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 47.2891, 50.2813, 14.6100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

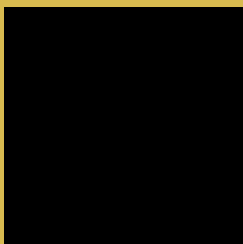
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

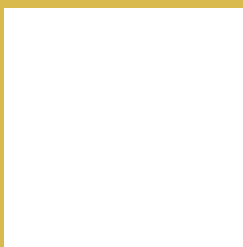
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2891, 50.2813, 14.6100

Background



This preview shows how black text looks on a background with the XYZ color 47.2891, 50.2813, 14.6100.

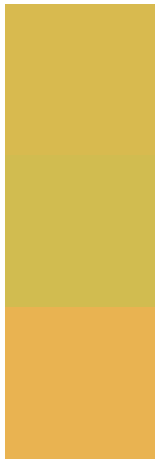


This preview shows how white text looks on a background with the XYZ color 47.2891, 50.2813,

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

47.2891, 50.2813, 14.6100

Protanopia

45.7257, 50.1009, 14.8499

Deuteranopia

51.2096, 50.1579, 14.7670



Tritanopia

55.4584, 50.2983, 54.3625

Trichromacy



Original Color

47.2891, 50.2813, 14.6100

Protanomaly

46.3697, 50.1169, 14.8190

Deuteranomaly

49.8545, 50.3660, 14.6834

Tritanomaly

51.5896, 49.9079, 34.9311

Monochromacy



Original Color

47.2891, 50.2813, 14.6100

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.7570, 47.9274, 33.6800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2891, 50.2813, 14.6100 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(216, 186, 79)` looks like.

```
.text, #text, p{  
    color:rgb(216, 186, 79)  
}
```

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(216, 186, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 186, 79) }
```

Border

The CSS property to change the border of an element to XYZ 47.2891, 50.2813, 14.6100 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(216, 186, 79) }
```


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

```
.border{ border-color:rgb(216, 186, 79) }
```

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

Here you see how a box with a 4 pixel rgb(216, 186, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 186, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 186, 79);  
box-shadow:4px 4px 4px 4px rgb(216, 186,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2891, 50.2813, 14.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 186, 79) }
```

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

```
.background{ background-color: rgb(216,  
186, 79) }
```

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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