

Converting Colors

XYZ(47.7828, 47.5584, 11.5076)

Have a look what the booklet for
XYZ(47.7828, 47.5584, 11.5076)
contains.

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Color

**XYZ(47.8148, 47.5896,
11.5161)**

Conversions

Conversions Part 1

Format	Color
Hex	E2B040
RGB	226, 176, 64
RGB Percent	89%, 69%, 25%
CMY	0.1137, 0.3098, 0.7490
CMYK	0.00, 0.22, 0.72, 0.11
HSL	41°, 74%, 57%
HSV	41°, 72%, 89%
XYZ	47.8148, 47.5896, 11.5161
YIQ	178.1820, 65.7520, -24.2320

Conversions

Conversions Part 2

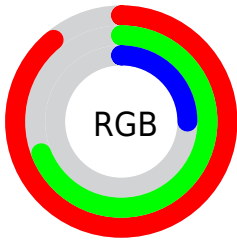
Format	Color
R_{YB}	136, 226, 64
Decimal	14856256
CIE _{Lab}	74.57, 7.29, 61.56
CIE _{LCh}	75, 61.995, 83.245
Yxy	47.5896, 0.4472, 0.4451
Android (android.graphics.Color)	4293046336 (0xFFE2B040)
YUV	178.1820, -56.2917, 41.9364
Hunter-Lab	68.9852, 2.9972, 38.3920

Details

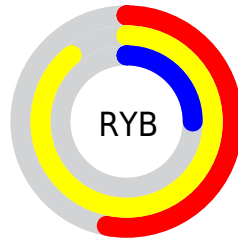
The XYZ color **47.8148, 47.5896, 11.5161** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.8589, 18.6150, 74.3920**, and the grayscale version is **42.6789, 44.9016, 48.8978**.

A 20% lighter version of the original color is **73.0859, 79.7198, 28.6750**, and **22.9335, 22.5223, 3.1385** is the 20% darker color. If you saturate the color by 10%, you get **45.9650, 44.7193, 8.3440**, and if you desaturate by 10%, it is **49.9975, 50.7093, 16.0849**.

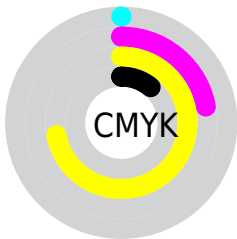
Distribution



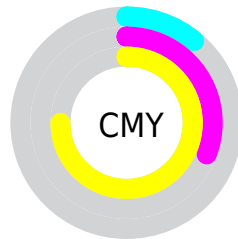
- Red (89%)
- Green (69%)
- Blue (25%)



- Red (53%)
- Yellow (89%)
- Blue (25%)



- Cyan (0%)
- Magenta (22%)
- Yellow (72%)
- Black (11%)





- Cyan (11%)
- Magenta (31%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8148, 47.5896, 11.5161 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 47.8148, 47.5896, 11.5161 by changing the saturation by 10% instead.


 47.8148, 47.5896,
11.5161


 47.8148, 47.5896,
11.5161


368.6524,
377.1631, 212.0378

 33.8909, 33.5020,
6.2966


 86.1400, 86.5930,
29.2618


 22.9723, 22.5113,
2.9546


 111.2719,
112.2777, 42.6250


 14.6936, 14.2331,
1.0715


 140.8706,
142.5968, 59.5398

 8.6896, 8.2829,
0.0000

 175.3014,
177.9347, 80.4249

 4.5947, 4.2765,
0.0000

 214.9296,
218.6760, 105.6987

 2.0438, 1.8294,
0.0000

260.1206,

 0.6584, 0.5054,

265.2048, 135.7797

0.0000

311.2397,
317.9057, 171.0866

■ 0.0000, 0.0000,
0.0000

■ 47.8148, 47.5896,
11.5161

■ 47.8148, 47.5896,
11.5161

■ 45.9650, 44.7193,
8.3440

■ 49.9975, 50.7093,
16.0849

■ 44.4101, 42.0758,
6.3881

■ 52.5389, 54.0847,
22.1958

■ 43.2950, 40.0309,
5.4449

■ 55.4656, 57.7298,
29.9790

■ 58.8004, 61.6554,
39.5499

■ 62.5641, 65.8714,
51.0137

■ 66.7762, 70.3870,
64.4674

■ 71.4546, 75.2109,
80.0012

■ 76.6162, 80.3512,
97.7000

■ 80.2151, 84.9911,
106.7849

Harmonies

Analogous

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



59.3922, 47.5896, 16.4298



47.8148, 47.5896, 11.5161



37.2492, 47.5896, 13.2803

Triad

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



47.8148, 47.5896, 11.5161



28.1804, 47.5896, 80.1916



64.7888, 47.5896, 98.2174

Complementary

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



47.8148, 47.5896, 11.5161



21.8589, 18.6150, 74.3920

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.



54.2820, 47.5896, 131.7277



47.8148, 47.5896, 11.5161



33.5237, 47.5896, 118.6637

Square

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



47.8148, 47.5896, 11.5161



27.0295, 47.5896, 44.8916



42.7449, 47.5896, 140.4477



70.1857, 47.5896, 59.4204

Rectangle

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



47.8148, 47.5896, 11.5161



32.0161, 47.5896, 18.6082



42.7449, 47.5896, 140.4477



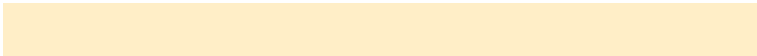
61.6618, 47.5896, 111.0295

Sweetspot

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



47.8159, 47.5919, 11.5170



82.0207, 86.3459, 66.3154



36.3094, 21.0806, 18.4663



17.2559, 18.1505, 13.2661



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.



47.8159, 47.5919, 11.5170



59.3926, 57.0631, 9.5291



50.9648, 66.5386, 15.0081



14.4962, 15.2784, 14.4918



24.8099, 23.0576, 3.1429



1.7980, 1.7549, 0.2440

Inverse Universe

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



21.8589, 18.6150, 74.3920



23.6550, 17.3655, 96.7129



20.1467, 11.5222, 73.1132



13.2954, 13.9298, 17.3757



9.1647, 5.7989, 41.6846



0.7130, 0.5574, 2.9153

Previews

White Background



This preview shows how the XYZ color 47.8148, 47.5896, 11.5161 looks on a white background.

Color Contrast Check

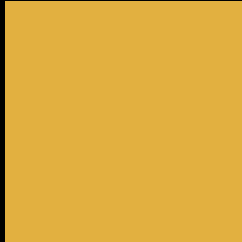
Large Text (above 18pt) WCAG AA × Fail

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 47.8148, 47.5896, 11.5161 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 47.8148, 47.5896, 11.5161

Background



This preview shows how black text looks on a background with the XYZ color 47.8148, 47.5896, 11.5161.



This preview shows how white text looks on a background with the XYZ color 47.8148, 47.5896,

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

47.8148, 47.5896, 11.5161

Protanopia

43.3007, 47.6535, 12.0701

Deuteranopia

48.5972, 47.6996, 11.6466



Tritanopia

55.3226, 47.5770, 47.8624

Trichromacy



Original Color

47.8148, 47.5896, 11.5161

Protanomaly

44.9186, 47.5755, 11.8166

Deuteranomaly

48.2790, 47.5356, 11.6317

Tritanomaly

51.5869, 47.1424, 29.6730

Monochromacy



Original Color

47.8148, 47.5896, 11.5161

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.7432, 44.8525, 30.0715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8148, 47.5896, 11.5161 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, 176, 64)` looks like.

```
.text, #text, p{  
    color:rgb(226, 176, 64)  
}
```

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, 176, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 176, 64) }
```

Border

The CSS property to change the border of an element to XYZ 47.8148, 47.5896, 11.5161 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, 176, 64) }
```


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

```
.border{ border-color:rgb(226, 176, 64) }
```

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

Here you see how a box with a 4 pixel rgb(226, 176, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 176, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 176, 64);  
box-shadow:4px 4px 4px 4px rgb(226, 176,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8148, 47.5896, 11.5161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 176, 64) }
```

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

```
.background{ background-color: rgb(226,  
176, 64) }
```

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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