

Converting Colors

XYZ(45.5488, 46.9978, 11.9810)

Have a look what the booklet for
XYZ(45.5488, 46.9978, 11.9810)
contains.

XYZ(45.5488, 46.9978, 11.9810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.5488, 46.9978,
11.9810)**

Conversions

Conversions Part 1

Format	Color
Hex	D9B243
RGB	217, 178, 67
RGB Percent	85%, 70%, 26%
CMY	0.1490, 0.3019, 0.7372
CMYK	0.00, 0.18, 0.69, 0.15
HSL	44°, 66%, 56%
HSV	44°, 69%, 85%
XYZ	45.5488, 46.9978, 11.9810
YIQ	177.0070, 58.8750, -26.2530

Conversions

Conversions Part 2

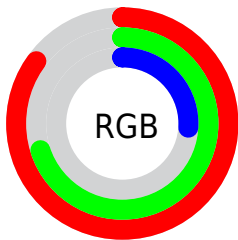
Format	Color
RYB	120, 217, 67
Decimal	14266947
CIELab	74.19, 2.53, 59.66
CIELCh	74, 59.712, 87.569
Yxy	46.9978, 0.4358, 0.4496
Android (android.graphics.Color)	4292457027 (0xFFD9B243)
YUV	177.0070, -54.2335, 35.0739
Hunter-Lab	68.5549, -1.3734, 37.6266

Details

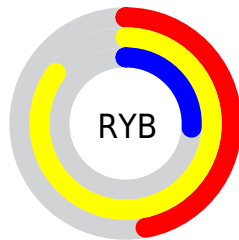
The XYZ color **45.5488, 46.9978, 11.9810** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **19.9930, 16.5106, 67.7783**, and the grayscale version is **42.0491, 44.2389, 48.1762**.

A 20% lighter version of the original color is **73.8301, 80.9183, 29.8167**, and **21.5614, 22.1908, 3.1468** is the 20% darker color. If you saturate the color by 10%, you get **43.9166, 44.5875, 8.8050**, and if you desaturate by 10%, it is **47.4731, 49.6025, 16.4582**.

Distribution



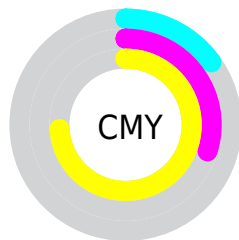
- Red (85%)
- Green (70%)
- Blue (26%)



- Red (47%)
- Yellow (85%)
- Blue (26%)



- Cyan (0%)
- Magenta (18%)
- Yellow (69%)
- Black (15%)





- Cyan (15%)
- Magenta (30%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5488, 46.9978, 11.9810 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 45.5488, 46.9978, 11.9810 by changing the saturation by 10% instead.


 45.5488, 46.9978,
11.9810

 45.5488, 46.9978,
11.9810


359.7381,
374.8057, 215.2529


 32.0930, 33.0339,
6.6084


 82.7753, 85.7103,
30.1244

 21.5885, 22.1524,
3.1437


 107.2768,
111.2278, 43.7322


 13.6697, 13.9689,
1.1685


 136.1909,
141.3652, 60.9221

 7.9715, 8.0991,
0.0000

 169.8830,
176.5070, 82.1128

 4.1284, 4.1584,
0.0000

 208.7184,
217.0375, 107.7226

 1.7750, 1.7626,
0.0000

253.0625,

 0.5025, 0.4637,

263.3413, 138.1702

0.0000

303.2806,
315.8025, 173.8742

■ 0.0000, 0.0000,
0.0000

■ 45.5488, 46.9978,
11.9810

■ 45.5488, 46.9978,
11.9810

■ 43.9166, 44.5875,
8.8050

■ 47.4731, 49.6025,
16.4582

■ 42.5440, 42.3522,
6.7752

■ 49.7113, 52.4056,
22.3625

■ 41.3848, 40.2744,
5.6472

■ 52.2863, 55.4190,
29.8080

■ 41.2880, 40.0974,
5.5635

■ 55.2181, 58.6516,
38.8966

■ 58.5248, 62.1113,
49.7211

■ 62.2232, 65.8057,
62.3677

■ 66.3289, 69.7419,
76.9166

■ 70.8569, 73.9265,
93.4432

■ 74.6226, 77.8867,
105.7083

Harmonies

Analogous

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



56.6434, 46.9978, 15.7998



45.5488, 46.9978, 11.9810



35.8044, 46.9978, 14.6848

Triad

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



45.5488, 46.9978, 11.9810



28.7947, 46.9978, 83.5930



64.3938, 46.9978, 89.7453

Complementary

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



45.5488, 46.9978, 11.9810



19.9930, 16.5106, 67.7783

Split Complementary

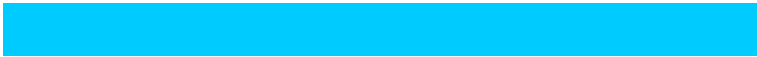
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.8901, 46.9978, 123.2385



45.5488, 46.9978, 11.9810



34.5153, 46.9978, 118.8002

Square

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



45.5488, 46.9978, 11.9810



27.0988, 46.9978, 48.7126



43.8026, 46.9978, 135.5590



68.5534, 46.9978, 53.7141

Rectangle

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



45.5488, 46.9978, 11.9810



31.1343, 46.9978, 20.8129



43.8026, 46.9978, 135.5590



61.6507, 46.9978, 102.1431

Sweetspot

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



45.5499, 47.0001, 11.9819



83.3143, 88.4556, 68.2188



33.2764, 19.8279, 15.9839



17.5434, 18.6327, 13.6479



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.



45.5499, 47.0001, 11.9819



62.3319, 62.7358, 11.1433



45.1174, 59.9758, 14.5093



13.8609, 14.6611, 13.8249



25.0835, 24.4525, 3.3978



1.6933, 1.7207, 0.2429

Inverse Universe

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



19.9930, 16.5106, 67.7783



23.4635, 16.5462, 96.5648



20.0114, 11.8494, 66.8776



12.6125, 13.1648, 16.5284



8.5229, 4.9153, 40.2379



0.6218, 0.4578, 2.6300

Previews

White Background



This preview shows how the XYZ color 45.5488, 46.9978, 11.9810 looks on a white background.

Color Contrast Check

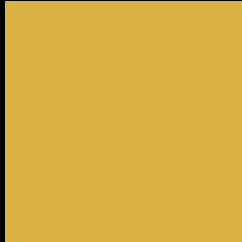
Large Text (above 18pt) WCAG AA × Fail

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 45.5488, 46.9978, 11.9810 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 45.5488, 46.9978, 11.9810

Background



This preview shows how black text looks on a background with the XYZ color 45.5488, 46.9978, 11.9810.



This preview shows how white text looks on a background with the XYZ color 45.5488, 46.9978,

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

45.5488, 46.9978, 11.9810

Protanopia

42.8787, 47.1217, 12.3043

Deuteranopia

48.1743, 47.1834, 12.0371



Tritanopia

53.4210, 47.1015, 49.4559

Trichromacy



Original Color

45.5488, 46.9978, 11.9810

Protanomaly

43.8618, 47.0204, 12.2329

Deuteranomaly

47.1138, 46.9246, 12.0430

Tritanomaly

49.6545, 46.6779, 30.8188

Monochromacy



Original Color

45.5488, 46.9978, 11.9810

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.9757, 44.4569, 30.0356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5488, 46.9978, 11.9810 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(217, 178, 67)` looks like.

```
.text, #text, p{  
    color:rgb(217, 178, 67)  
}
```

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(217, 178, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 178, 67) }
```

Border

The CSS property to change the border of an element to XYZ 45.5488, 46.9978, 11.9810 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(217, 178, 67) }
```


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

```
.border{ border-color:rgb(217, 178, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 178, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 178, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 178, 67);  
box-shadow:4px 4px 4px 4px rgb(217, 178,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5488, 46.9978, 11.9810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 178, 67) }
```

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

```
.background{ background-color: rgb(217,  
178, 67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor