

Converting Colors

XYZ(45.1198, 47.5346, 6.3142)

Have a look what the booklet for
XYZ(45.1198, 47.5346, 6.3142)
contains.

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Color

**XYZ(45.2347, 47.5479,
6.7935)**

Conversions

Conversions Part 1

Format	Color
Hex	DAB400
RGB	218, 180, 0
RGB Percent	85%, 71%, 0%
CMY	0.1451, 0.2941, 0.9999
CMYK	0.00, 0.17, 1.00, 0.15
HSL	50°, 100%, 43%
HSV	50°, 100%, 85%
XYZ	45.2347, 47.5479, 6.7935
YIQ	170.8420, 80.4280, -47.9240

Conversions

Conversions Part 2

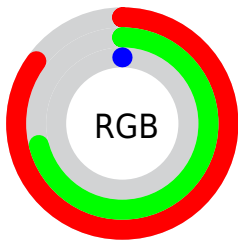
Format	Color
R _Y B	46, 218, 0
Decimal	14332928
CIE Lab	74.54, 0.12, 76.78
CIE LCh	75, 76.777, 89.910
Yxy	47.5479, 0.4543, 0.4775
Android (android.graphics.Color)	4292523008 (0xFFDAB400)
YUV	170.8420, -84.2251, 41.3576
Hunter-Lab	68.9550, -3.5746, 42.4272

Details

The XYZ color **45.2347, 47.5479, 6.7935** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **13.3485, 6.4490, 66.8704**, and the grayscale version is **39.0127, 41.0444, 44.6974**.

A 20% lighter version of the original color is **72.4335, 81.2707, 19.6537**, and **21.8197, 22.7074, 3.2330** is the 20% darker color. If you saturate the color by 10%, you get **45.2351, 47.5490, 6.7937**, and if you desaturate by 10%, it is **46.1564, 49.1628, 7.8065**.

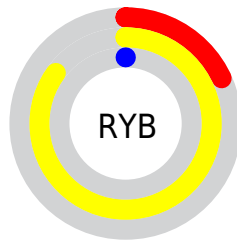
Distribution



Red (85%)

Green (71%)

Blue (0%)



Red (18%)

Yellow (85%)

Blue (0%)

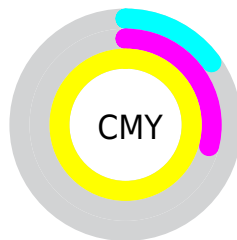


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2347, 47.5479, 6.7935 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 45.2347, 47.5479, 6.7935 by changing the saturation by 10% instead.


 45.2347, 47.5479,
6.7935


 45.2347, 47.5479,
6.7935


358.4910,
376.9973, 175.5020


 31.8444, 33.4690,
3.2568


 82.3074, 86.5309,
20.0623

 21.3976, 22.4860,
1.2272


 106.7205,
112.2038, 30.6315

 13.5291, 14.2144,
0.0010


 135.5386,
142.5101, 44.3820

 7.8734, 8.2699,
0.0000

 169.1270,
177.8343, 61.7322

 4.0652, 4.2682,
0.0000

 207.8511,
218.5607, 83.1008

 1.7391, 1.8247,
0.0000

 252.0762,

 0.4805, 0.5025,

265.0737, 108.9063

0.0000

302.1677,
317.7578, 139.5671

■ 0.0000, 0.0000,
0.0000

■ 45.2347, 47.5479,
6.7935

■ 45.2347, 47.5479,
6.7935

■ 45.2351, 47.5490,
6.7937

■ 46.1564, 49.1628,
7.8065

■ 47.2597, 50.8823,
9.6757

■ 48.5987, 52.7302,
12.6812

■ 50.2034, 54.7189,
16.9792

■ 52.0988, 56.8585,
22.7017

■ 54.3072, 59.1583,
29.9642

■ 56.8483, 61.6263,
38.8702

■ 59.7402, 64.2701,
49.5146

■ 62.9997, 67.0965,
61.9846

Harmonies

Analogous

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



59.9281, 47.5479, 9.8135



45.2347, 47.5479, 6.7935



33.1546, 47.5479, 9.7741

Triad

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



45.2347, 47.5479, 6.7935



25.7910, 47.5479, 99.9684



72.4230, 47.5479, 100.2906

Complementary

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



45.2347, 47.5479, 6.7935



13.3485, 6.4490, 66.8704

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.



59.8406, 47.5479, 150.2286



45.2347, 47.5479, 6.7935



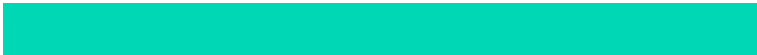
33.0957, 47.5479, 149.9850

Square

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



45.2347, 47.5479, 6.7935



23.4231, 47.5479, 51.6519



45.1510, 47.5479, 171.8929



77.4577, 47.5479, 51.8915

Rectangle

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



45.2347, 47.5479, 6.7935



27.7041, 47.5479, 16.5139



45.1510, 47.5479, 171.8929



68.8242, 47.5479, 118.1928

Sweetspot

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



45.2358, 47.5502, 6.7944



80.9791, 87.8003, 55.0623



29.2961, 15.0588, 3.3683



16.9913, 18.4666, 10.5719



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.



45.2358, 47.5502, 6.7944



64.4237, 67.6274, 9.6579



37.4606, 56.5294, 8.9374



13.9591, 14.8575, 13.8576



27.1712, 28.6280, 4.0937



1.8121, 1.9583, 0.2825

Inverse Universe

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



13.3485, 6.4490, 66.8704



18.9674, 9.0547, 95.3558



15.1124, 6.3292, 66.7543



12.5213, 12.9822, 16.4980



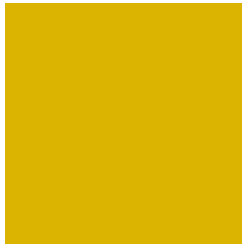
8.0515, 3.9725, 40.0808



0.5780, 0.3701, 2.6154

Previews

White Background



This preview shows how the XYZ color 45.2347, 47.5479, 6.7935 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 45.2347, 47.5479, 6.7935 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 45.2347, 47.5479, 6.7935

Background



This preview shows how black text looks on a background with the XYZ color 45.2347, 47.5479, 6.7935.



This preview shows how white text looks on a background with the XYZ color 45.2347, 47.5479,

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

45.2347, 47.5479, 6.7935

Protanopia

42.9164, 47.5639, 7.1485

Deuteranopia

48.5239, 47.4716, 7.1777



Tritanopia

54.0518, 47.4267, 49.4854

Trichromacy



Original Color

45.2347, 47.5479, 6.7935

Protanomaly

43.8248, 47.7268, 7.0460

Deuteranomaly

47.2643, 47.4057, 6.9757

Tritanomaly

48.5875, 46.5901, 22.6516

Monochromacy



Original Color

45.2347, 47.5479, 6.7935

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.6354, 42.0676, 20.5516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2347, 47.5479, 6.7935 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(218, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 180, 0)  
}
```

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(218, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 180, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.2347, 47.5479, 6.7935 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(218, 180, 0) }
```


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

```
.border{ border-color:rgb(218, 180, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 180,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2347, 47.5479, 6.7935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 180, 0) }
```

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

```
.background{ background-color: rgb(218,  
180, 0) }
```

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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