

Converting Colors

XYZ(45.5521, 46.7868, 3.7568)

Have a look what the booklet for
XYZ(45.5521, 46.7868, 3.7568)
contains.

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Color

**XYZ(46.1536, 47.1323,
6.6649)**

Conversions

Conversions Part 1

Format	Color
Hex	DFB100
RGB	223, 177, 0
RGB Percent	87%, 69%, 0%
CMY	0.1255, 0.3059, 0.9999
CMYK	0.00, 0.21, 1.00, 0.13
HSL	48°, 100%, 44%
HSV	48°, 100%, 87%
XYZ	46.1536, 47.1323, 6.6649
YIQ	170.5760, 84.2330, -45.2950

Conversions

Conversions Part 2

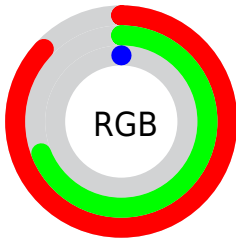
Format	Color
RYB	58, 223, 0
Decimal	14659840
CIELab	74.27, 3.89, 76.82
CIElCh	74, 76.923, 87.104
Yxy	47.1323, 0.4618, 0.4716
Android (android.graphics.Color)	4292849920 (0xFFDFB100)
YUV	170.5760, -84.0940, 45.9758
Hunter-Lab	68.6530, -0.1418, 42.3011

Details

The XYZ color **46.1536, 47.1323, 6.6649** 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 **14.2969, 7.2827, 70.4637**, and the grayscale version is **38.8768, 40.9015, 44.5417**.

A 20% lighter version of the original color is **71.5446, 79.5524, 19.1738**, and **22.4379, 22.4538, 3.1514** is the 20% darker color. If you saturate the color by 10%, you get **46.1538, 47.1331, 6.6650**, and if you desaturate by 10%, it is **47.2264, 49.0417, 7.7522**.

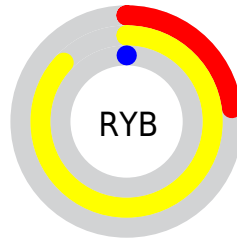
Distribution



Red (87%)

Green (69%)

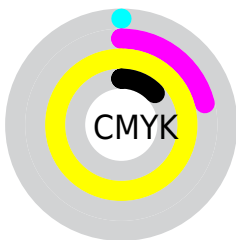
Blue (0%)



Red (23%)

Yellow (87%)

Blue (0%)

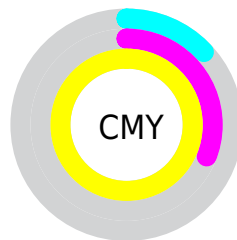


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1536, 47.1323, 6.6649 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 46.1536, 47.1323, 6.6649 by changing the saturation by 10% instead.

46.1536, 47.1323,
6.6649

46.1536, 47.1323,
6.6649

362.1314,
375.3424, 174.3734

32.5722, 33.1403,
3.1782

83.6753, 85.9111,
19.7971

21.9566, 22.2339,
1.1863

108.3463,
111.4666, 30.2796

13.9414, 14.0289,
0.0000

137.4445,
141.6454, 43.9312

8.1614, 8.1408,
0.0000

171.3353,
176.8319, 61.1704

4.2510, 4.1851,
0.0000

210.3840,
217.4104, 82.4156

1.8451, 1.7777,
0.0000

254.9560,

0.5446, 0.4732,

263.7654, 108.0855

0.0000

305.4167,
316.2813, 138.5986

■ 0.0000, 0.0000,
0.0000

■ 46.1536, 47.1323,
6.6649

■ 46.1536, 47.1323,
6.6649

■ 46.1538, 47.1331,
6.6650

■ 47.2264, 49.0417,
7.7522

■ 48.4998, 51.0789,
9.7473

■ 50.0302, 53.2688,
12.9424

■ 51.8495, 55.6247,
17.5032

■ 53.9844, 58.1577,
23.5692

■ 56.4584, 60.8776,
31.2627

■ 59.2925, 63.7933,
40.6932

■ 62.5060, 66.9129,
51.9609

■ 66.1168, 70.2439,
65.1582

Harmonies

Analogous

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



60.8320, 47.1323, 10.2755



46.1536, 47.1323, 6.6649



33.7508, 47.1323, 9.0152

Triad

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



46.1536, 47.1323, 6.6649



25.0654, 47.1323, 94.3771



71.0135, 47.1323, 104.7287

Complementary

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



46.1536, 47.1323, 6.6649



14.2969, 7.2827, 70.4637

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.



58.0253, 47.1323, 153.2199



46.1536, 47.1323, 6.6649



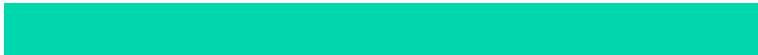
31.8622, 47.1323, 145.3865

Square

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



46.1536, 47.1323, 6.6649



23.1578, 47.1323, 47.5700



43.4689, 47.1323, 170.9898



76.9153, 47.1323, 55.2601

Rectangle

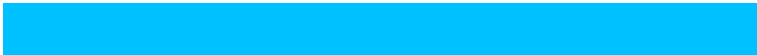
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1536, 47.1323, 6.6649



28.0172, 47.1323, 14.9968



43.4689, 47.1323, 170.9898



67.2160, 47.1323, 122.4863

Sweetspot

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



46.1547, 47.1346, 6.6658



80.2574, 86.3568, 54.8217



30.9718, 15.9044, 4.2697



16.8171, 18.1181, 10.5139



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.



46.1547, 47.1346, 6.6658



62.4551, 63.6902, 9.0017



40.8491, 60.2302, 9.4731



14.6192, 15.5243, 14.5328



27.2213, 27.8806, 3.9468



1.9481, 2.0550, 0.2940

Inverse Universe

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



14.2969, 7.2827, 70.4637



19.3048, 9.7297, 95.4683



15.3819, 6.3913, 70.2344



13.1799, 13.6990, 17.3372



8.4713, 4.4121, 41.4535



0.6513, 0.4341, 2.8947

Previews

White Background



This preview shows how the XYZ color 46.1536, 47.1323, 6.6649 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 46.1536, 47.1323, 6.6649 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 46.1536, 47.1323, 6.6649

Background



This preview shows how black text looks on a background with the XYZ color 46.1536, 47.1323, 6.6649.



This preview shows how white text looks on a background with the XYZ color 46.1536, 47.1323,

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

46.1536, 47.1323, 6.6649

Protanopia

42.4419, 47.0107, 7.1242

Deuteranopia

47.9778, 46.9078, 6.9409



Tritanopia

54.6697, 47.2404, 47.8319

Trichromacy



Original Color

46.1536, 47.1323, 6.6649

Protanomaly

43.7081, 47.0579, 6.9517

Deuteranomaly

47.1803, 46.7858, 6.8023

Tritanomaly

49.4817, 46.2262, 21.9374

Monochromacy



Original Color

46.1536, 47.1323, 6.6649

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.9391, 41.9384, 20.5106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1536, 47.1323, 6.6649 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(223, 177, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 177, 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(223, 177, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 177, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.1536, 47.1323, 6.6649 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(223, 177, 0) }
```


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

```
.border{ border-color:rgb(223, 177, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 177, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 177, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 177, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 177,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1536, 47.1323, 6.6649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 177, 0) }
```

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

```
.background{ background-color: rgb(223,  
177, 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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