

Converting Colors

XYZ(44.5301, 47.0053, 6.7898)

Have a look what the booklet for
XYZ(44.5301, 47.0053, 6.7898)
contains.

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Color

**XYZ(44.4500, 46.8435,
6.7564)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B302
RGB	216, 179, 2
RGB Percent	85%, 70%, 1%
CMY	0.1529, 0.2980, 0.9921
CMYK	0.00, 0.17, 0.99, 0.15
HSL	50°, 98%, 43%
HSV	50°, 99%, 85%
XYZ	44.4500, 46.8435, 6.7564
YIQ	169.8850, 78.8690, -47.2030

Conversions

Conversions Part 2

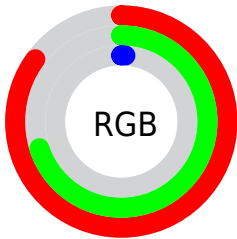
Format	Color
R _Y B	47, 216, 2
Decimal	14201602
CIE Lab	74.09, -0.21, 76.15
CIE LCh	74, 76.147, 90.161
Yxy	46.8435, 0.4533, 0.4778
Android (android.graphics.Color)	4292391682 (0xFFD8B302)
YUV	169.8850, -82.7673, 40.4429
Hunter-Lab	68.4423, -3.8469, 42.0567

Details

The XYZ color **44.4500, 46.8435, 6.7564** 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 **13.1458, 6.4228, 65.5122**, and the grayscale version is **38.5254, 40.5317, 44.1390**.

A 20% lighter version of the original color is **72.1480, 80.6997, 19.5586**, and **21.2997, 22.2467, 3.1714** is the 20% darker color. If you saturate the color by 10%, you get **44.3701, 46.7016, 6.6757**, and if you desaturate by 10%, it is **45.3596, 48.4231, 7.7994**.

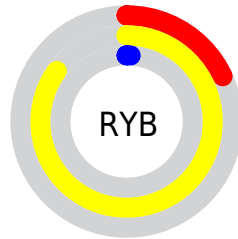
Distribution



Red (85%)

Green (70%)

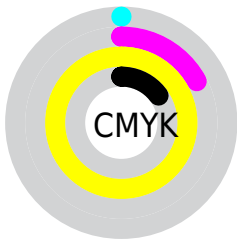
Blue (1%)



Red (18%)

Yellow (85%)

Blue (1%)

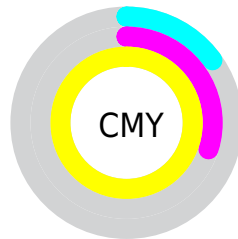


Cyan (0%)

Magenta (17%)

Yellow (99%)

Black (15%)



Cyan (15%)


Magenta (30%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4500, 46.8435, 6.7564 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 44.4500, 46.8435, 6.7564 by changing the saturation by 10% instead.


 44.4500, 46.8435,
6.7564


 44.4500, 46.8435,
6.7564


355.3627,
374.1895, 175.1774


 31.2239, 32.9120,
3.2341


 81.1366, 85.4800,
19.9859

 20.9220, 22.0590,
1.2154


 105.3278,
110.9537, 30.5302

 13.1792, 13.9003,
0.0000


 133.9047,
141.0436, 44.2522

 7.6299, 8.0513,
0.0000

 167.2327,
176.1340, 61.5705

 3.9088, 4.1278,
0.0000

 205.6772,
216.6095, 82.9036

 1.6507, 1.7453,
0.0000

 249.6034,

 0.4251, 0.4527,

262.8543, 108.6701

0.0000

299.3768,
315.2528, 139.2885

■ 0.0000, 0.0000,
0.0000

■ 44.4500, 46.8435,
6.7564

■ 44.4500, 46.8435,
6.7564

■ 44.3701, 46.7016,
6.6757

■ 45.3596, 48.4231,
7.7994

■ 46.4556, 50.1080,
9.7282

■ 47.7851, 51.9193,
12.7847

■ 49.3767, 53.8686,
17.1191

■ 51.2546, 55.9658,
22.8585

■ 53.4403, 58.2198,
30.1144

■ 55.9528, 60.6384,
38.9874

■ 58.8099, 63.2290,
49.5692

■ 62.0277, 65.9982,
61.9448

Harmonies

Analogous

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



58.8689, 46.8435, 9.6841



44.4500, 46.8435, 6.7564



32.6176, 46.8435, 9.7537

Triad

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



44.4500, 46.8435, 6.7564



25.4995, 46.8435, 98.7382



71.3270, 46.8435, 98.1739

Complementary

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



44.4500, 46.8435, 6.7564



13.1458, 6.4228, 65.5122

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.



59.0222, 46.8435, 147.2384



44.4500, 46.8435, 6.7564



32.7210, 46.8435, 147.6649

Square

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



44.4500, 46.8435, 6.7564



23.1314, 46.8435, 51.2151



44.5968, 46.8435, 168.8010



76.1876, 46.8435, 50.7947

Rectangle

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



44.4500, 46.8435, 6.7564



27.2879, 46.8435, 16.4610



44.5968, 46.8435, 168.8010



67.8152, 46.8435, 115.7340

Sweetspot

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



44.4511, 46.8458, 6.7573



81.0112, 87.8645, 55.0730



28.7453, 14.8045, 3.4632



16.9991, 18.4821, 10.5745



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.



44.4511, 46.8458, 6.7573



64.5131, 67.8061, 9.6877



36.8228, 55.4341, 8.8171



13.2817, 14.1376, 13.1895



26.3330, 27.7832, 3.9748



1.6375, 1.7742, 0.2562

Inverse Universe

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



13.1458, 6.4228, 65.5122



18.9539, 9.0277, 95.3513



14.9265, 6.2956, 65.3938



11.9144, 12.3523, 15.6938



7.7890, 3.8398, 38.7838



0.5238, 0.3397, 2.3573

Previews

White Background



This preview shows how the XYZ color 44.4500, 46.8435, 6.7564 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 44.4500, 46.8435, 6.7564 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 44.4500, 46.8435, 6.7564

Background



This preview shows how black text looks on a background with the XYZ color 44.4500, 46.8435, 6.7564.



This preview shows how white text looks on a background with the XYZ color 44.4500, 46.8435,

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

44.4500, 46.8435, 6.7564

Protanopia

42.4309, 47.0063, 7.0665

Deuteranopia

47.6859, 46.7538, 7.0833



Tritanopia

53.1369, 46.6959, 48.8604

Trichromacy



Original Color

44.4500, 46.8435, 6.7564

Protanomaly

43.3392, 47.1707, 6.9929

Deuteranomaly

46.4477, 46.6940, 6.9126

Tritanomaly

47.7816, 45.8932, 22.5596

Monochromacy



Original Color

44.4500, 46.8435, 6.7564

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1974, 41.5561, 20.4759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4500, 46.8435, 6.7564 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, 179, 2)` looks like.

```
.text, #text, p{  
    color:rgb(216, 179, 2)  
}
```

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, 179, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 179, 2) }
```

Border

The CSS property to change the border of an element to XYZ 44.4500, 46.8435, 6.7564 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, 179, 2) }
```


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

```
.border{ border-color:rgb(216, 179, 2) }
```

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

Here you see how a box with a 4 pixel rgb(216, 179, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 179, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 179, 2);  
box-shadow:4px 4px 4px 4px rgb(216, 179,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4500, 46.8435, 6.7564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 179, 2) }
```

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

```
.background{ background-color: rgb(216,  
179, 2) }
```

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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