

Converting Colors

XYZ(45.5037, 48.3667, 7.4677)

Have a look what the booklet for
XYZ(45.5037, 48.3667, 7.4677)
contains.

XYZ(45.4444, 48.2481, 7.4479)	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(45.4444, 48.2481,
7.4479)**

Conversions

Conversions Part 1

Format	Color
Hex	D9B611
RGB	217, 182, 17
RGB Percent	85%, 71%, 7%
CMY	0.1490, 0.2863, 0.9333
CMYK	0.00, 0.16, 0.92, 0.15
HSL	50°, 85%, 46%
HSV	50°, 92%, 85%
XYZ	45.4444, 48.2481, 7.4479
YIQ	173.6550, 73.8250, -43.8950

Conversions

Conversions Part 2

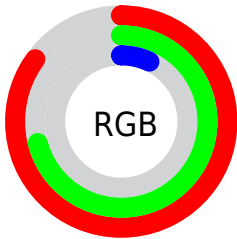
Format	Color
RYB	59, 217, 17
Decimal	14267921
CIELab	74.98, -1.18, 75.07
CIELCh	75, 75.079, 90.903
Yxy	48.2481, 0.4493, 0.4770
Android (android.graphics.Color)	4292458001 (0xFFD9B611)
YUV	173.6550, -77.2309, 38.0136
Hunter-Lab	69.4609, -4.7738, 42.2653

Details

The XYZ color **45.4444, 48.2481, 7.4479** is a dark color, and the websafe version is hex **FFCC33**, and the color name is **patrinia flowers (ominaeshi)**. The color can be described as middle washed orange. A complement of this color would be **13.9839, 7.5855, 66.3722**, and the grayscale version is **40.4139, 42.5186, 46.3028**.

A 20% lighter version of the original color is **73.4942, 83.0810, 20.9668**, and **21.8873, 23.1334, 3.3116** is the 20% darker color. If you saturate the color by 10%, you get **44.7410, 47.0035, 6.7145**, and if you desaturate by 10%, it is **46.4939, 49.9310, 9.0817**.

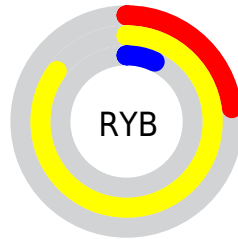
Distribution



Red (85%)

Green (71%)

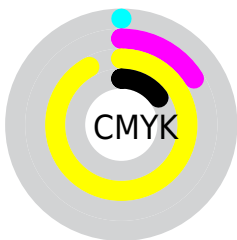
Blue (7%)



Red (23%)

Yellow (85%)

Blue (7%)

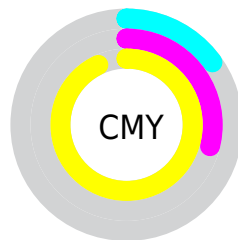


Cyan (0%)

Magenta (16%)

Yellow (92%)

Black (15%)



Cyan (15%)


Magenta (29%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4444, 48.2481, 7.4479 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 45.4444, 48.2481, 7.4479 by changing the saturation by 10% instead.


 45.4444, 48.2481,
7.4479


 45.4444, 48.2481,
7.4479


359.3239,
379.7747, 181.1049


 32.0104, 34.0234,
3.6611


 82.6198, 87.5737,
21.3968


 21.5250, 22.9116,
1.4413


 107.0920,
113.4434, 32.3959

 13.6229, 14.5282,
0.1736


 135.9742,
143.9635, 46.6363

 7.9388, 8.4890,
0.0000

 169.6318,
179.5185, 64.5364

 4.1073, 4.4094,
0.0000

 208.4303,
220.4927, 86.5147

 1.7630, 1.9051,
0.0000

 252.7349,

 0.4952, 0.5514,

267.2705, 112.9899

0.0000

302.9110,
320.2364, 144.3805

■ 0.0000, 0.0000,
0.0000

■ 45.4444, 48.2481,
7.4479

■ 45.4444, 48.2481,
7.4479

■ 44.7410, 47.0035,
6.7145

■ 46.4939, 49.9310,
9.0817

■ 47.7685, 51.7361,
11.8007

■ 49.3001, 53.6782,
15.7675

■ 51.1145, 55.7679,
21.1169

■ 53.2340, 58.0145,
27.9661

■ 55.6788, 60.4261,
36.4198

■ 58.4670, 63.0104,
46.5734

■ 61.6154, 65.7743,
58.5147

■ 65.1398, 68.7243,
72.3255

Harmonies

Analogous

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



59.8960, 48.2481, 10.3444



45.4444, 48.2481, 7.4479



33.6175, 48.2481, 10.7522

Triad

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



45.4444, 48.2481, 7.4479



26.7679, 48.2481, 101.5791



72.9381, 48.2481, 98.4158

Complementary

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



45.4444, 48.2481, 7.4479



13.9839, 7.5855, 66.3722

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.



60.7595, 48.2481, 147.4773



45.4444, 48.2481, 7.4479



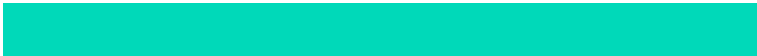
34.2056, 48.2481, 149.8564

Square

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



45.4444, 48.2481, 7.4479



24.2424, 48.2481, 53.7321



46.2748, 48.2481, 169.8103



77.5570, 48.2481, 51.3538

Rectangle

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



45.4444, 48.2481, 7.4479



28.3040, 48.2481, 17.8776



46.2748, 48.2481, 169.8103



69.4871, 48.2481, 115.9072

Sweetspot

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



45.4455, 48.2504, 7.4488



81.7530, 88.5102, 57.9032



29.4740, 15.4162, 4.8725



17.1394, 18.6054, 11.1062



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.



45.4455, 48.2504, 7.4488



64.3807, 67.5414, 9.6436



38.1776, 56.5035, 9.4249



13.9583, 14.8560, 13.8574



27.1535, 28.5925, 4.0878



1.8111, 1.9564, 0.2822

Inverse Universe

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



13.9839, 7.5855, 66.3722



18.9739, 9.0679, 95.3580



16.0621, 7.1314, 66.1750



12.5220, 12.9837, 16.4983



8.0546, 3.9785, 40.0818



0.5783, 0.3708, 2.6155

Previews

White Background



This preview shows how the XYZ color 45.4444, 48.2481, 7.4479 looks on a white background.

Color Contrast Check

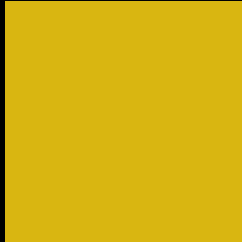
Large Text (above 18pt) WCAG AA × Fail

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 45.4444, 48.2481, 7.4479 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 45.4444, 48.2481, 7.4479

Background



This preview shows how black text looks on a background with the XYZ color 45.4444, 48.2481, 7.4479.

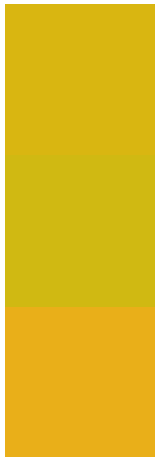


This preview shows how white text looks on a background with the XYZ color 45.4444, 48.2481,

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

45.4444, 48.2481, 7.4479

Protanopia

43.4706, 48.1515, 7.5753

Deuteranopia

49.1097, 48.0538, 7.6066



Tritanopia

54.3100, 48.0842, 50.6747

Trichromacy



Original Color

45.4444, 48.2481, 7.4479

Protanomaly

44.1136, 48.1735, 7.5457

Deuteranomaly

47.7438, 48.2296, 7.5519

Tritanomaly

49.0803, 47.3652, 24.9679

Monochromacy



Original Color

45.4444, 48.2481, 7.4479

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.1682, 43.6758, 23.1428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4444, 48.2481, 7.4479 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, 182, 17)` looks like.

```
.text, #text, p{  
    color:rgb(217, 182, 17)  
}
```

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, 182, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 182, 17) }
```

Border

The CSS property to change the border of an element to XYZ 45.4444, 48.2481, 7.4479 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, 182, 17) }
```


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

```
.border{ border-color:rgb(217, 182, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 182, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 182, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 182, 17);  
box-shadow:4px 4px 4px 4px rgb(217, 182,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4444, 48.2481, 7.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 182, 17) }
```

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

```
.background{ background-color: rgb(217,  
182, 17) }
```

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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