

Converting Colors

XYZ(45.3595, 48.5167, 7.7131)

Have a look what the booklet for
XYZ(45.3595, 48.5167, 7.7131)
contains.

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Color

**XYZ(45.3972, 48.5238,
7.7324)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B716
RGB	216, 183, 22
RGB Percent	85%, 72%, 9%
CMY	0.1529, 0.2823, 0.9137
CMYK	0.00, 0.15, 0.90, 0.15
HSL	50°, 82%, 47%
HSV	50°, 90%, 85%
XYZ	45.3972, 48.5238, 7.7324
YIQ	174.5130, 71.3490, -43.0750

Conversions

Conversions Part 2

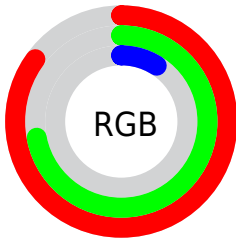
Format	Color
R_{YB}	62, 216, 22
Decimal	14202646
CIE _{Lab}	75.15, -2.06, 74.34
CIE _{LCh}	75, 74.368, 91.591
Yxy	48.5238, 0.4466, 0.4773
Android (android.graphics.Color)	4292392726 (0xFFD8B716)
YUV	174.5130, -75.1889, 36.3841
Hunter-Lab	69.6590, -5.5738, 42.1799

Details

The XYZ color **45.3972, 48.5238, 7.7324** 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 **14.0921, 7.8613, 65.7399**, and the grayscale version is **40.8477, 42.9750, 46.7997**.

A 20% lighter version of the original color is **73.8680, 83.6976, 21.4945**, and **21.8266, 23.3005, 3.3471** is the 20% darker color. If you saturate the color by 10%, you get **44.5077, 46.9732, 6.7327**, and if you desaturate by 10%, it is **46.4684, 50.1826, 9.5818**.

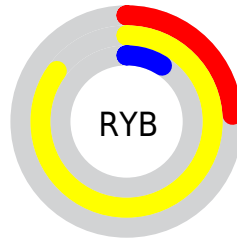
Distribution



Red (85%)

Green (72%)

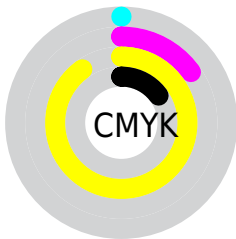
Blue (9%)



Red (24%)

Yellow (85%)

Blue (9%)

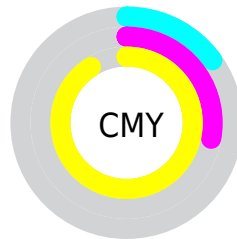


Cyan (0%)

Magenta (15%)

Yellow (90%)

Black (15%)



Cyan (15%)


Magenta (28%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3972, 48.5238, 7.7324 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 45.3972, 48.5238, 7.7324 by changing the saturation by 10% instead.


 45.3972, 48.5238,
7.7324

 45.3972, 48.5238,
7.7324


359.1365,
380.8646, 183.4733

 31.9730, 34.2419,
3.8389


 82.5495, 87.9838,
21.9696


 21.4963, 23.0795,
1.5374


 107.0084,
113.9306, 33.1504


 13.6018, 14.6522,
0.2455


 135.8762,
144.5346, 47.5973

 7.9241, 8.5757,
0.0000

 169.5183,
180.1800, 65.7289

 4.0978, 4.4655,
0.0000

 208.3000,
221.2513, 87.9638

 1.7576, 1.9372,
0.0000

 252.5867,

 0.4919, 0.5706,

268.1330, 114.7204

0.0000

302.7438,
321.2092, 146.4174

■ 0.0000, 0.0000,
0.0000

■ 45.3972, 48.5238,
7.7324

■ 45.3972, 48.5238,
7.7324

■ 44.5077, 46.9732,
6.7327

■ 46.4684, 50.1826,
9.5818

■ 44.4914, 46.9442,
6.7162

■ 47.7690, 51.9630,
12.5453

■ 49.3291, 53.8794,
16.7762

■ 51.1731, 55.9417,
22.4030

■ 53.3227, 58.1589,
29.5383

■ 55.7972, 60.5387,
38.2832

■ 58.6142, 63.0886,
48.7301

■ 61.7901, 65.8153,
60.9645

■ 65.3401, 68.7252,
75.0658

Harmonies

Analogous

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



59.7358, 48.5238, 10.5120



45.3972, 48.5238, 7.7324



33.7168, 48.5238, 11.2377

Triad

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



45.3972, 48.5238, 7.7324



27.2159, 48.5238, 102.6683



73.2031, 48.5238, 97.1542

Complementary

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



45.3972, 48.5238, 7.7324



14.0921, 7.8613, 65.7399

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.



61.2446, 48.5238, 145.9338



45.3972, 48.5238, 7.7324



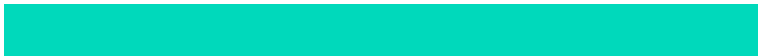
34.7490, 48.5238, 150.0712

Square

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



45.3972, 48.5238, 7.7324



24.5825, 48.5238, 54.9438



46.8513, 48.5238, 168.8631



77.5646, 48.5238, 50.7792

Rectangle

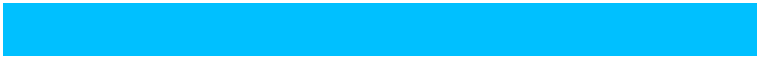
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3972, 48.5238, 7.7324



28.4923, 48.5238, 18.5934



46.8513, 48.5238, 168.8631



69.8359, 48.5238, 114.4726

Sweetspot

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



45.3983, 48.5262, 7.7334



82.2563, 89.0865, 59.3981



29.3588, 15.4742, 5.3861



17.3192, 18.8020, 11.6690



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.



45.3983, 48.5262, 7.7334



64.6910, 68.1620, 9.7470



38.1357, 56.0954, 9.5772



13.2847, 14.1437, 13.1905



26.4040, 27.9252, 3.9985



1.6412, 1.7816, 0.2574

Inverse Universe

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



14.0921, 7.8613, 65.7399



18.9274, 8.9748, 95.3425



16.2880, 7.3912, 65.5334



11.9116, 12.3467, 15.6929



7.7772, 3.8161, 38.7798



0.5225, 0.3371, 2.3568

Previews

White Background



This preview shows how the XYZ color 45.3972, 48.5238, 7.7324 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 45.3972, 48.5238, 7.7324 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 45.3972, 48.5238, 7.7324

Background



This preview shows how black text looks on a background with the XYZ color 45.3972, 48.5238, 7.7324.



This preview shows how white text looks on a background with the XYZ color 45.3972, 48.5238,

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

45.3972, 48.5238, 7.7324

Protanopia

44.0081, 48.7350, 7.8979

Deuteranopia

49.6788, 48.6318, 7.9309



Tritanopia

54.2860, 48.3371, 51.2686

Trichromacy



Original Color

45.3972, 48.5238, 7.7324

Protanomaly

44.6550, 48.7568, 7.8681

Deuteranomaly

47.9851, 48.6457, 7.8377

Tritanomaly

49.0923, 47.6448, 25.6777

Monochromacy



Original Color

45.3972, 48.5238, 7.7324

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.4854, 44.1198, 23.8349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3972, 48.5238, 7.7324 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, 183, 22)` looks like.

```
.text, #text, p{  
    color:rgb(216, 183, 22)  
}
```

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, 183, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 183, 22) }
```

Border

The CSS property to change the border of an element to XYZ 45.3972, 48.5238, 7.7324 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, 183, 22) }
```


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

```
.border{ border-color:rgb(216, 183, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 183, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 183, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 183, 22);  
box-shadow:4px 4px 4px 4px rgb(216, 183,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3972, 48.5238, 7.7324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 183, 22) }
```

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

```
.background{ background-color: rgb(216,  
183, 22) }
```

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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