

Converting Colors

XYZ(45.4167, 48.8351, 9.0875)

Have a look what the booklet for
XYZ(45.4167, 48.8351, 9.0875)
contains.

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Color

**XYZ(45.2723, 48.7372,
9.1189)**

Conversions

Conversions Part 1

Format	Color
Hex	D6B829
RGB	214, 184, 41
RGB Percent	84%, 72%, 16%
CMY	0.1608, 0.2784, 0.8392
CMYK	0.00, 0.14, 0.81, 0.16
HSL	50°, 68%, 50%
HSV	50°, 81%, 84%
XYZ	45.2723, 48.7372, 9.1189
YIQ	176.6680, 63.7830, -38.1130

Conversions

Conversions Part 2

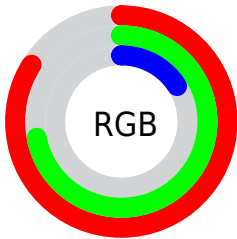
Format	Color
RYB	77, 214, 41
Decimal	14071849
CIELab	75.29, -3.00, 69.89
CIELCh	75, 69.953, 92.457
Yxy	48.7372, 0.4390, 0.4726
Android (android.graphics.Color)	4292261929 (0xFFD6B829)
YUV	176.6680, -66.8843, 32.7402
Hunter-Lab	69.8120, -6.4159, 41.1239

Details

The XYZ color **45.2723, 48.7372, 9.1189** 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 **15.3054, 9.8330, 64.7092**, and the grayscale version is **41.9333, 44.1171, 48.0436**.

A 20% lighter version of the original color is **74.7003, 84.5003, 24.4296**, and **21.6339, 23.2012, 3.3380** is the 20% darker color. If you saturate the color by 10%, you get **44.2351, 47.1071, 7.4047**, and if you desaturate by 10%, it is **46.5347, 50.4936, 11.9096**.

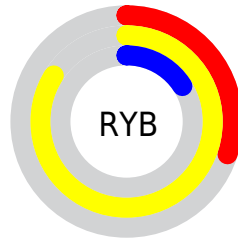
Distribution



Red (84%)

Green (72%)

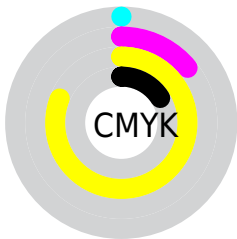
Blue (16%)



Red (30%)

Yellow (84%)

Blue (16%)

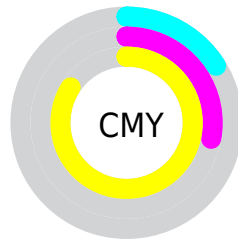


Cyan (0%)

Magenta (14%)

Yellow (81%)

Black (16%)



Cyan (16%)

Magenta (28%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2723, 48.7372, 9.1189 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 45.2723, 48.7372, 9.1189 by changing the saturation by 10% instead.

45.2723, 48.7372,
9.1189

45.2723, 48.7372,
9.1189

358.6404,
381.7068, 194.5130

31.8742, 34.4111,
4.7209

82.3634, 88.3010,
24.7059

21.4205, 23.2096,
2.0286

106.7871,
114.3075, 36.7320

13.5459, 14.7483,
0.5728

135.6167,
144.9762, 52.1378

7.8851, 8.6429,
0.0000

169.2175,
180.6915, 71.3420

4.0727, 4.5090,
0.0000

207.9550,
221.8378, 94.7631

1.7433, 1.9622,
0.0000

252.1944,

0.4832, 0.5854,

268.7995, 122.8196

0.0000

302.3011,
321.9611, 155.9301

■ 0.0000, 0.0000,
0.0000

■ 45.2723, 48.7372,
9.1189

■ 45.2723, 48.7372,
9.1189

■ 44.2351, 47.1071,
7.4047

■ 46.5347, 50.4936,
11.9096

■ 43.4330, 45.6993,
6.5317

■ 48.0479, 52.3810,
15.9258

■ 49.8375, 54.4117,
21.2959

■ 51.9247, 56.5946,
28.1313

■ 54.3287, 58.9375,
36.5319

■ 57.0668, 61.4475,
46.5888

■ 60.1551, 64.1314,
58.3861

■ 63.6088, 66.9954,
72.0022

■ 67.4418, 70.0454,
87.5105

Harmonies

Analogous

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



58.7128, 48.7372, 11.8051



45.2723, 48.7372, 9.1189



34.2892, 48.7372, 12.9540

Triad

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



45.2723, 48.7372, 9.1189



28.4471, 48.7372, 100.8162



71.8638, 48.7372, 92.9710

Complementary

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



45.2723, 48.7372, 9.1189



15.3054, 9.8330, 64.7092

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.



60.8873, 48.7372, 137.9606



45.2723, 48.7372, 9.1189



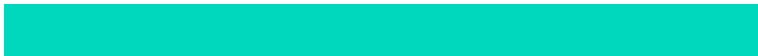
35.8121, 48.7372, 143.7747

Square

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



45.2723, 48.7372, 9.1189



25.7644, 48.7372, 56.1576



47.3903, 48.7372, 159.7945



75.6505, 48.7372, 50.0911

Rectangle

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



45.2723, 48.7372, 9.1189



29.3655, 48.7372, 20.5733



47.3903, 48.7372, 159.7945



68.8037, 48.7372, 108.9144

Sweetspot

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



45.2734, 48.7395, 9.1199



83.4230, 90.0819, 63.9119



29.7179, 16.3597, 7.8464



17.5432, 18.9941, 12.5320



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.



45.2734, 48.7395, 9.1199



64.8540, 68.4209, 10.0081



38.7881, 55.6462, 10.7948



13.2811, 14.1365, 13.1893



26.3205, 27.7581, 3.9706



1.6369, 1.7729, 0.2559

Inverse Universe

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



15.3054, 9.8330, 64.7092



19.3094, 9.5966, 95.4424



17.7322, 8.9166, 64.4044



11.9149, 12.3533, 15.6940



7.7912, 3.8441, 38.7845



0.5241, 0.3402, 2.3573

Previews

White Background



This preview shows how the XYZ color 45.2723, 48.7372, 9.1189 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 45.2723, 48.7372, 9.1189 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 45.2723, 48.7372, 9.1189

Background



This preview shows how black text looks on a background with the XYZ color 45.2723, 48.7372, 9.1189.

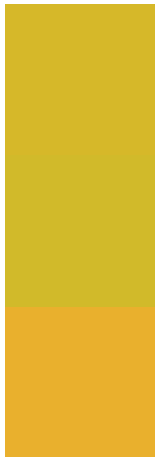


This preview shows how white text looks on a background with the XYZ color 45.2723, 48.7372,

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

45.2723, 48.7372, 9.1189

Protanopia

44.2713, 48.8403, 9.2843

Deuteranopia

49.6033, 48.5638, 9.2420



Tritanopia

54.0603, 48.4759, 52.4064

Trichromacy



Original Color

45.2723, 48.7372, 9.1189

Protanomaly

44.6308, 48.7140, 9.2409

Deuteranomaly

47.9388, 48.5908, 9.2352

Tritanomaly

49.2742, 47.9598, 28.8504

Monochromacy



Original Color

45.2723, 48.7372, 9.1189

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.4527, 45.1482, 26.9518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2723, 48.7372, 9.1189 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(214, 184, 41)` looks like.

```
.text, #text, p{  
    color:rgb(214, 184, 41)  
}
```

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(214, 184, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 184, 41) }
```

Border

The CSS property to change the border of an element to XYZ 45.2723, 48.7372, 9.1189 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(214, 184, 41) }
```


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

```
.border{ border-color:rgb(214, 184, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 184, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 184, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 184, 41);  
box-shadow:4px 4px 4px 4px rgb(214, 184,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2723, 48.7372, 9.1189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 184, 41) }
```

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

```
.background{ background-color: rgb(214,  
184, 41) }
```

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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