

Converting Colors

XYZ(38.6999, 45.0854, 6.9320)

Have a look what the booklet for
XYZ(38.6999, 45.0854, 6.9320)
contains.

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Color

**XYZ(38.7210, 45.0932,
6.9215)**

Conversions

Conversions Part 1

Format	Color
Hex	C0B709
RGB	192, 183, 9
RGB Percent	75%, 72%, 4%
CMY	0.2471, 0.2823, 0.9646
CMYK	0.00, 0.05, 0.95, 0.25
HSL	57°, 91%, 39%
HSV	57°, 95%, 75%
XYZ	38.7210, 45.0932, 6.9215
YIQ	165.8550, 61.2180, -52.2060

Conversions

Conversions Part 2

Format	Color
RYB	18, 192, 9
Decimal	12629769
CIELab	72.95, -12.76, 73.55
CIELCh	73, 74.647, 99.844
Yxy	45.0932, 0.4267, 0.4970
Android (android.graphics.Color)	4290819849 (0xFFC0B709)
YUV	165.8550, -77.3295, 22.9292
Hunter-Lab	67.1515, -14.5881, 40.8948

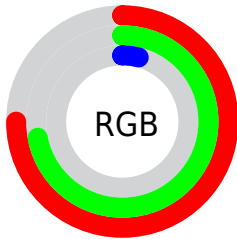
Details

The XYZ color **38.7210, 45.0932, 6.9215** is a dark color, and the websafe version is hex **CCCC33**.

The color can be described as dark washed orange. A complement of this color would be **9.8438, 4.2970, 50.1792**, and the grayscale version is **36.5187, 38.4205, 41.8399**.

A 20% lighter version of the original color is **72.5727, 83.0530, 20.3895**, and **17.8141, 21.0336, 3.1210** is the 20% darker color. If you saturate the color by 10%, you get **38.5813, 44.8930, 6.6318**, and if you desaturate by 10%, it is **39.0802, 45.5511, 7.8449**.

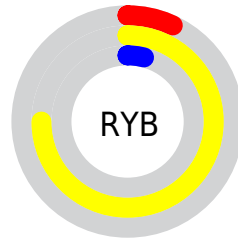
Distribution



Red (75%)

Green (72%)

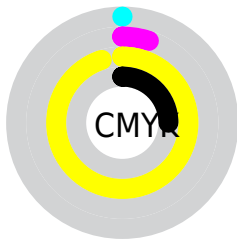
Blue (4%)



Red (7%)

Yellow (75%)

Blue (4%)

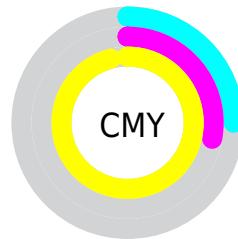


Cyan (0%)

Magenta (5%)

Yellow (95%)

Black (25%)



Cyan (25%)

Magenta (28%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7210, 45.0932, 6.9215 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 38.7210, 45.0932, 6.9215 by changing the saturation by 10% instead.

■ 38.7210, 45.0932,
6.9215

■ 38.7210, 45.0932,
6.9215

331.9305,
367.1509, 176.6159

■ 26.7225, 31.5308,
3.3354

■ 72.5087, 82.8603,
20.3253

■ 17.5004, 21.0034,
1.2683

■ 95.0286, 107.8337,
30.9800

■ 10.6894, 13.1265,
0.0356

■ 121.7864,
137.3797, 44.8280

■ 5.9242, 7.5157,
0.0000

■ 153.1474,
171.8826, 62.2878

■ 2.8392, 3.7867,
0.0000

■ 189.4769,
211.7267, 83.7780

■ 1.0693, 1.5550,
0.0000

■ 231.1404,

■ 0.0000, 0.3269,

257.2966, 109.7170

0.0000

278.5031,
308.9765, 140.5235

■ 0.0000, 0.0000,
0.0000

■ 38.7210, 45.0932,
6.9215

■ 38.7210, 45.0932,
6.9215

■ 38.5813, 44.8930,
6.6318

■ 39.0802, 45.5511,
7.8449

■ 39.5861, 46.0681,
9.5395

■ 40.2642, 46.6560,
12.1339

■ 41.1342, 47.3228,
15.7322

■ 42.2131, 48.0753,
20.4244

■ 43.5161, 48.9195,
26.2904

■ 45.0571, 49.8610,
33.4027

■ 46.8487, 50.9049,
41.8280

■ 48.9025, 52.0558,
51.6282

Harmonies

Analogous

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



52.0772, 45.0932, 7.8648



38.7210, 45.0932, 6.9215



28.7388, 45.0932, 12.0619

Triad

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



38.7210, 45.0932, 6.9215



26.3695, 45.0932, 110.8439



70.9159, 45.0932, 78.1775

Complementary

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



38.7210, 45.0932, 6.9215



9.8438, 4.2970, 50.1792

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.



60.9818, 45.0932, 127.2763



38.7210, 45.0932, 6.9215



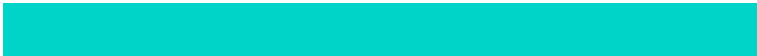
34.7996, 45.0932, 151.8341

Square

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



38.7210, 45.0932, 6.9215



22.6241, 45.0932, 62.4034



47.2833, 45.0932, 159.0241



72.5576, 45.0932, 37.8340

Rectangle

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



38.7210, 45.0932, 6.9215



24.6542, 45.0932, 21.1719



47.2833, 45.0932, 159.0241



68.3526, 45.0932, 94.6379

Sweetspot

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



38.7220, 45.0953, 6.9224



80.4258, 89.6143, 54.8779



21.9465, 11.4464, 1.6322



17.0018, 19.0700, 10.6122



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.7220, 45.0953, 6.9224



69.8517, 81.2319, 11.9977



25.2868, 41.0118, 6.8423



10.8696, 11.6707, 10.7417



25.9785, 30.2427, 4.4682



1.1357, 1.3332, 0.1975

Inverse Universe

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



9.8438, 4.2970, 50.1792



17.3746, 7.1657, 90.8277



13.9622, 6.2440, 50.3380



9.5671, 9.8256, 12.6771



6.4879, 2.7323, 33.7420



0.2943, 0.1460, 1.4626

Previews

White Background



This preview shows how the XYZ color 38.7210, 45.0932, 6.9215 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 38.7210, 45.0932, 6.9215 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 38.7210, 45.0932, 6.9215

Background



This preview shows how black text looks on a background with the XYZ color 38.7210, 45.0932, 6.9215.

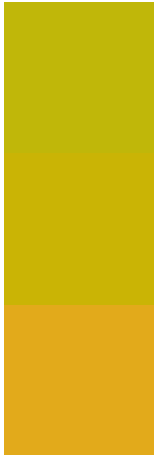


This preview shows how white text looks on a background with the XYZ color 38.7210, 45.0932,

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

38.7210, 45.0932, 6.9215

Protanopia

40.7058, 45.2100, 6.7246

Deuteranopia

45.9366, 44.9973, 7.3011



Tritanopia

47.5506, 44.8649, 50.9533

Trichromacy



Original Color

38.7210, 45.0932, 6.9215

Protanomaly

39.8454, 45.0667, 6.7710

Deuteranomaly

43.1878, 45.0066, 7.0727

Tritanomaly

42.2733, 44.1581, 24.0646

Monochromacy



Original Color

38.7210, 45.0932, 6.9215

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.1920, 39.7231, 20.2805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7210, 45.0932, 6.9215 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(192, 183, 9)` looks like.

```
.text, #text, p{  
    color:rgb(192, 183, 9)  
}
```

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(192, 183, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 183, 9) }
```

Border

The CSS property to change the border of an element to XYZ 38.7210, 45.0932, 6.9215 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(192, 183, 9) }
```


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

```
.border{ border-color:rgb(192, 183, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 183, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 183, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 183, 9);  
box-shadow:4px 4px 4px 4px rgb(192, 183,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7210, 45.0932, 6.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 183, 9) }
```

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

```
.background{ background-color: rgb(192,  
183, 9) }
```

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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