

Converting Colors

XYZ(45.0820, 42.9102, 6.6984)

Have a look what the booklet for
XYZ(45.0820, 42.9102, 6.6984)
contains.

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Color

**XYZ(45.1087, 42.9437,
6.7221)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E3A417 |
| RGB | 227, 164, 23 |
| RGB Percent | 89%, 64%, 9% |
| CMY | 0.1098, 0.3568, 0.9098 |
| CMYK | 0.00, 0.28, 0.90, 0.11 |
| HSL | 41°, 82%, 49% |
| HSV | 41°, 90%, 89% |
| XYZ | 45.1087, 42.9437, 6.7221 |
| YIQ | 166.7630, 82.8090, -30.4950 |

Conversions

Conversions Part 2

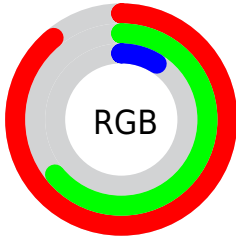
| Format | Color |
|-------------------------------------|---|
| RYB | 114, 227, 23 |
| Decimal | 14918679 |
| CIELab | 71.52, 12.78, 71.85 |
| CIELCh | 72, 72.974, 79.910 |
| Yxy | 42.9437, 0.4760, 0.4531 |
| Android (android.graphics.Color) | 4293108759 (0xFFE3A417) |
| YUV | 166.7630, -70.8752, 52.8278 |
| Hunter-Lab | 65.5314, 8.1908, 39.7901 |

Details

The XYZ color **45.1087, 42.9437, 6.7221** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.5465, 12.3841, 74.1381**, and the grayscale version is **36.9225, 38.8454, 42.3026**.

A 20% lighter version of the original color is **68.2512, 72.5949, 19.2191**, and **21.6310, 19.9172, 2.7043** is the 20% darker color. If you saturate the color by 10%, you get **43.7364, 40.4442, 5.5102**, and if you desaturate by 10%, it is **46.7317, 45.6577, 8.9045**.

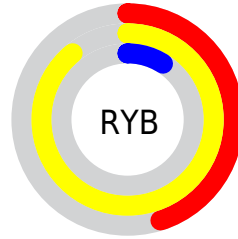
Distribution



Red (89%)

Green (64%)

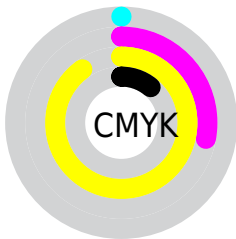
Blue (9%)



Red (45%)

Yellow (89%)

Blue (9%)

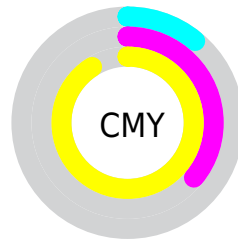


Cyan (0%)

Magenta (28%)

Yellow (90%)

Black (11%)



Cyan (11%)


Magenta (36%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1087, 42.9437, 6.7221 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 45.1087, 42.9437, 6.7221 by changing the saturation by 10% instead.


 45.1087, 42.9437,
6.7221

 45.1087, 42.9437,
6.7221


357.9899,
358.3802, 174.8765

 31.7447, 29.8409,
3.2131


 82.1196, 79.6259,
19.9152

 21.3212, 19.7179,
1.2045


 106.4971,
103.9741, 30.4364


 13.4728, 12.1901,
0.0000


 135.2766,
132.8396, 44.1320

 7.8341, 6.8733,
0.0000

 168.8233,
166.6068, 61.4207

 4.0399, 3.3830,
0.0000

 207.5027,
205.6601, 82.7210

 1.7247, 1.3348,
0.0000

 251.6800,

 0.4717, 0.1679,

250.3838, 108.4514

0.0000

301.7206,
301.1624, 139.0304

■ 0.0000, 0.0000,
0.0000

■ 45.1087, 42.9437,
6.7221

■ 45.1087, 42.9437,
6.7221

■ 43.7364, 40.4442,
5.5102

■ 46.7317, 45.6577,
8.9045

■ 43.7186, 40.4113,
5.4959

■ 48.6598, 48.6043,
12.3514

■ 50.9278, 51.8009,
17.2365

■ 53.5643, 55.2606,
23.7057

■ 56.5947, 58.9952,
31.8868

■ 60.0414, 63.0152,
41.8944

■ 63.9255, 67.3306,
53.8332

■ 68.2660, 71.9506,
67.7998

■ 73.0810, 76.8838,
83.8845

Harmonies

Analogous

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



58.0505, 42.9437, 11.6925



45.1087, 42.9437, 6.7221



33.2696, 42.9437, 7.5812

Triad

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



45.1087, 42.9437, 6.7221



22.3502, 42.9437, 73.8752



61.7530, 42.9437, 105.4649

Complementary

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



45.1087, 42.9437, 6.7221



17.5465, 12.3841, 74.1381

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.



49.4267, 42.9437, 143.9428



45.1087, 42.9437, 6.7221



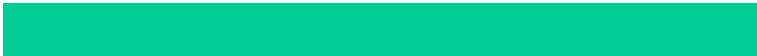
27.3837, 42.9437, 120.2290

Square

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



45.1087, 42.9437, 6.7221



21.6550, 42.9437, 35.8522



36.8060, 42.9437, 150.3981



68.8617, 42.9437, 59.6784

Rectangle

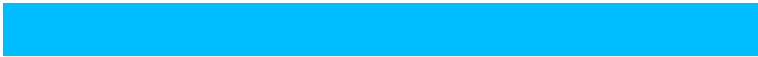
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1087, 42.9437, 6.7221



27.4271, 42.9437, 11.6385



36.8060, 42.9437, 150.3981



57.9788, 42.9437, 120.4850

Sweetspot

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



45.1097, 42.9459, 6.7229



79.4674, 83.5086, 58.4684



33.7301, 17.6420, 10.7746



16.6546, 17.4726, 11.4475



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.



45.1097, 42.9459, 6.7229



56.8154, 52.4108, 7.1218



48.7593, 65.8955, 10.9603



15.2064, 16.0267, 15.1965



25.6051, 23.7843, 3.2413



1.9737, 1.9207, 0.2667

Inverse Universe

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



17.5465, 12.3841, 74.1381



20.8276, 12.7752, 95.9759



16.0598, 7.1325, 73.2028



13.9441, 14.6095, 18.2293



9.4582, 5.9784, 43.0386



0.7791, 0.6022, 3.2071

Previews

White Background



This preview shows how the XYZ color 45.1087, 42.9437, 6.7221 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 45.1087, 42.9437, 6.7221 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 45.1087, 42.9437, 6.7221

Background



This preview shows how black text looks on a background with the XYZ color 45.1087, 42.9437, 6.7221.



This preview shows how white text looks on a background with the XYZ color 45.1087, 42.9437,

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

45.1087, 42.9437, 6.7221

Protanopia

39.0119, 43.1356, 7.3068

Deuteranopia

43.8958, 42.8562, 6.6680



Tritanopia

52.0238, 42.9552, 40.6712

Trichromacy



Original Color

45.1087, 42.9437, 6.7221

Protanomaly

41.2335, 43.1349, 7.1299

Deuteranomaly

44.3404, 42.8155, 6.6863

Tritanomaly

47.9926, 42.2951, 21.2571

Monochromacy



Original Color

45.1087, 42.9437, 6.7221

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.7170, 39.3291, 21.8230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1087, 42.9437, 6.7221 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(227, 164, 23)` looks like.

```
.text, #text, p{  
    color:rgb(227, 164, 23)  
}
```

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(227, 164, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 164, 23) }
```

Border

The CSS property to change the border of an element to XYZ 45.1087, 42.9437, 6.7221 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(227, 164, 23) }
```


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

```
.border{ border-color:rgb(227, 164, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 164, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 164, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 164, 23);  
box-shadow:4px 4px 4px 4px rgb(227, 164,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1087, 42.9437, 6.7221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 164, 23) }
```

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

```
.background{ background-color: rgb(227,  
164, 23) }
```

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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