

Converting Colors

XYZ(44.6576, 45.8144, 6.4893)

Have a look what the booklet for
XYZ(44.6576, 45.8144, 6.4893)
contains.

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Color

**XYZ(44.5434, 45.7200,
6.4772)**

Conversions

Conversions Part 1

Format	Color
Hex	DBAF00
RGB	219, 175, 0
RGB Percent	86%, 69%, 0%
CMY	0.1412, 0.3137, 0.9999
CMYK	0.00, 0.20, 1.00, 0.14
HSL	48°, 100%, 43%
HSV	48°, 100%, 86%
XYZ	44.5434, 45.7200, 6.4772
YIQ	168.2060, 82.3990, -45.0970

Conversions

Conversions Part 2

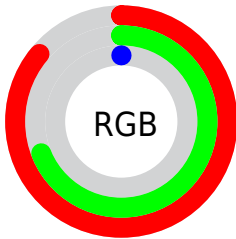
Format	Color
RYB	55, 219, 0
Decimal	14397184
CIELab	73.36, 3.19, 76.00
CIELCh	73, 76.068, 87.598
Yxy	45.7200, 0.4604, 0.4726
Android (android.graphics.Color)	4292587264 (0xFFDBAF00)
YUV	168.2060, -82.9256, 44.5463
Hunter-Lab	67.6166, -0.7395, 41.6520

Details

The XYZ color **44.5434, 45.7200, 6.4772** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **13.6875, 6.9169, 67.6310**, and the grayscale version is **37.6895, 39.6523, 43.1814**.

A 20% lighter version of the original color is **70.9848, 78.4328, 18.9872**, and **21.3810, 21.5368, 3.0301** is the 20% darker color. If you saturate the color by 10%, you get **44.5436, 45.7207, 6.4773**, and if you desaturate by 10%, it is **45.5588, 47.5206, 7.5262**.

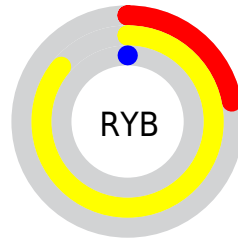
Distribution



Red (86%)

Green (69%)

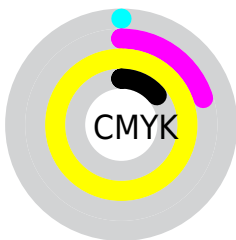
Blue (0%)



Red (22%)

Yellow (86%)

Blue (0%)

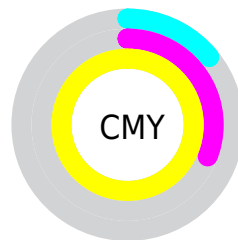


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5434, 45.7200, 6.4772 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 44.5434, 45.7200, 6.4772 by changing the saturation by 10% instead.

■ 44.5434, 45.7200,
6.4772

■ 44.5434, 45.7200,
6.4772

355.7360,
369.6818, 172.7087

■ 31.2977, 32.0249,
3.0639

■ 81.2761, 83.7998,
19.4081

■ 20.9786, 21.3805,
1.1274

■ 105.4938,
108.9533, 29.7628

■ 13.2207, 13.4024,
0.0000

■ 134.0995,
138.6951, 43.2684

■ 7.6587, 7.7063,
0.0000

■ 167.4586,
173.4095, 60.3435

■ 3.9273, 3.9076,
0.0000

■ 205.9365,
213.4810, 81.4065

■ 1.6611, 1.6220,
0.0000

■ 249.8984,

■ 0.4317, 0.3724,

259.2940, 106.8760

0.0000

299.7098,
311.2328, 137.1706

■ 0.0000, 0.0000,
0.0000

■ 44.5434, 45.7200,
6.4772

■ 44.5434, 45.7200,
6.4772

■ 44.5436, 45.7207,
6.4773

■ 45.5588, 47.5206,
7.5262

■ 46.7645, 49.4406,
9.4433

■ 48.2154, 51.5041,
12.5110

■ 49.9416, 53.7237,
16.8875

■ 51.9688, 56.1099,
22.7061

■ 54.3194, 58.6720,
30.0838

■ 57.0135, 61.4187,
39.1253

■ 60.0695, 64.3575,
49.9264

■ 63.5044, 67.4958,
62.5756

Harmonies

Analogous

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



58.7625, 45.7200, 9.8725



44.5434, 45.7200, 6.4772



32.5865, 45.7200, 8.8585

Triad

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



44.5434, 45.7200, 6.4772



24.3998, 45.7200, 92.3470



69.0181, 45.7200, 100.6653

Complementary

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



44.5434, 45.7200, 6.4772



13.6875, 6.9169, 67.6310

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.



56.5068, 45.7200, 147.8834



44.5434, 45.7200, 6.4772



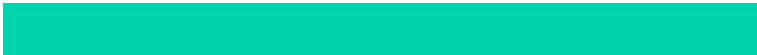
31.0682, 45.7200, 141.5893

Square

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



44.5434, 45.7200, 6.4772



22.4745, 45.7200, 46.7547



42.3854, 45.7200, 165.7617



74.5871, 45.7200, 52.9357

Rectangle

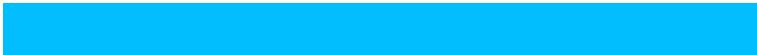
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.5434, 45.7200, 6.4772



27.0820, 45.7200, 14.7775



42.3854, 45.7200, 165.7617



65.3736, 45.7200, 117.8905

Sweetspot

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



44.5444, 45.7222, 6.4781



80.3778, 86.5976, 54.8618



29.7359, 15.2694, 4.1188



16.8462, 18.1762, 10.5235



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.



44.5444, 45.7222, 6.4781



62.7783, 64.3366, 9.1094



39.2273, 57.8263, 9.0946



13.9285, 14.7963, 13.8474



26.4917, 27.2691, 3.8672



1.7738, 1.8817, 0.2697

Inverse Universe

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



13.6875, 6.9169, 67.6310



19.2439, 9.6078, 95.4480



14.7769, 6.1410, 67.4238



12.5495, 13.0387, 16.5074



8.1778, 4.2251, 40.1229



0.5913, 0.3966, 2.6198

Previews

White Background



This preview shows how the XYZ color 44.5434, 45.7200, 6.4772 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 44.5434, 45.7200, 6.4772 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 44.5434, 45.7200, 6.4772

Background



This preview shows how black text looks on a background with the XYZ color 44.5434, 45.7200, 6.4772.



This preview shows how white text looks on a background with the XYZ color 44.5434, 45.7200,

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

44.5434, 45.7200, 6.4772

Protanopia

41.4805, 45.9070, 6.9618

Deuteranopia

46.6440, 45.6543, 6.8057



Tritanopia

52.8300, 45.7835, 46.6101

Trichromacy



Original Color

44.5434, 45.7200, 6.4772

Protanomaly

42.4475, 45.8087, 6.7770

Deuteranomaly

45.8586, 45.5345, 6.6592

Tritanomaly

47.7393, 44.7927, 21.1686

Monochromacy



Original Color

44.5434, 45.7200, 6.4772

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.7103, 40.7522, 19.7883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5434, 45.7200, 6.4772 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(219, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 175, 0)  
}
```

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(219, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.5434, 45.7200, 6.4772 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(219, 175, 0) }
```


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

```
.border{ border-color:rgb(219, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 175,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5434, 45.7200, 6.4772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 175, 0) }
```

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

```
.background{ background-color: rgb(219,  
175, 0) }
```

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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