

Converting Colors

CIELCh(45, 60.010, 45.203)

Have a look what the booklet for
CIELCh(45, 60.010, 45.203) contains.

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Color

CIELCh(45, 60.120, 45.206)

Conversions

Conversions Part 1

Format	Color
Hex	B54824
RGB	181, 72, 36
RGB Percent	71%, 28%, 14%
CMY	0.2909, 0.7182, 0.8594
CMYK	0.00, 0.60, 0.80, 0.29
HSL	15°, 67%, 42%
HSV	15°, 80%, 71%
XYZ	21.6353, 14.5417, 3.3242
YIQ	100.4870, 76.5200, 11.9120

Conversions

Conversions Part 2

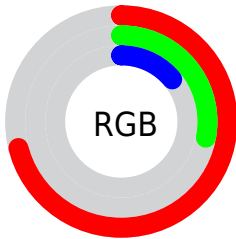
Format	Color
RYB	181, 84, 36
Decimal	11880484
CIELab	45.00, 42.36, 42.66
CIElCh	45, 60.120, 45.206
Yxy	14.5417, 0.5477, 0.3681
Android (android.graphics.Color)	4290070564 (0xFFB54824)
YUV	100.4870, -31.7921, 70.6099
Hunter-Lab	38.1336, 34.5391, 21.5250

Details

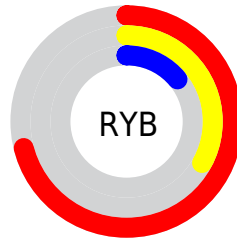
The CIELCh color **45, 60.120, 45.206** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **56, 32.243, 237.761**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.383, 45.268**, and **25, 56.446, 41.142** is the 20% darker color. If you saturate the color by 10%, you get **43, 68.267, 45.384**, and if you desaturate by 10%, it is **48, 51.303, 44.776**.

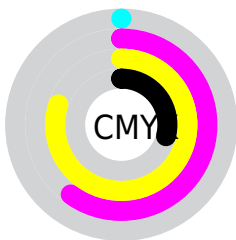
Distribution



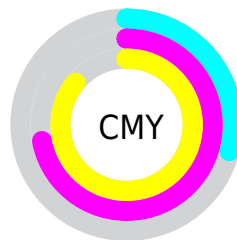
- Red (71%)
- Green (28%)
- Blue (14%)



- Red (71%)
- Yellow (33%)
- Blue (14%)



- Cyan (0%)
- Magenta (60%)
- Yellow (80%)
- Black (29%)



- Cyan (29%)
- Magenta (72%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 60.120, 45.206 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 CIELCh color 45, 60.120, 45.206 by changing the saturation by 10% instead.

 45, 60.120, 45.206

 45, 60.120, 45.206

 100, 60.120,
45.206

 35, 60.120, 45.206

 65, 60.120, 45.206

 25, 60.120, 45.206

 75, 60.120, 45.206

 15, 60.120, 45.206

 85, 60.120, 45.206

 5, 60.120, 45.206

 95, 60.120, 45.206

 0, 60.120, 45.206

 45, 60.120, 45.206

 45, 60.120, 45.206

 43, 68.267, 45.384

 48, 51.303, 44.776

 41, 74.957, 45.227

 51, 42.544, 44.393

■ 54, 34.161, 44.163

■ 58, 26.285, 44.105

■ 62, 18.957, 44.201

■ 66, 12.172, 44.419

■ 70, 5.897, 44.711

■ 74, 0.091, 39.830

■ 78, 5.295, 225.763

Harmonies

Complementary

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



45, 60.120, 45.206



56, 32.243, 237.761

Rectangle

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



45, 60.120, 45.206



45, 60.120, 95.206



45, 60.120, 225.206



45, 60.120, 275.206

Sweetspot

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



45, 60.118, 45.209



81, 18.207, 44.314



43, 70.842, 337.866



41, 12.676, 44.241



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



45, 60.118, 45.209



53, 88.854, 44.983



61, 57.848, 85.506



36, 3.240, 44.735



34, 65.898, 45.569



3, 7.796, 38.517

Inverse Universe

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



56, 32.243, 237.761



68, 42.420, 244.827



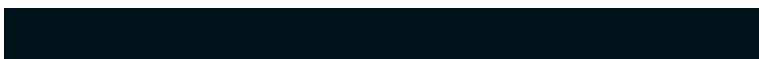
35, 65.580, 293.565



36, 3.069, 225.777



45, 31.068, 245.143



5, 7.486, 236.730

Previews

White Background



This preview shows how the CIELCh color 45, 60.120, 45.206 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 45, 60.120, 45.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 60.120, 45.206

Background



This preview shows how black text looks on a background with the CIELCh color 45, 60.120, 45.206.



This preview shows how white text looks on a background with the CIELCh color 45, 60.120, 45.206.

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, 60.120, 45.206

Protanopia

45, 35.387, 95.720

Deuteranopia

45, 45.354, 82.746



Tritanopia
45, 51.540, 25.631

Trichromacy



Original Color
45, 60.120, 45.206

Protanomaly
44, 39.269, 69.098

Deuteranomaly
45, 47.914, 65.163

Tritanomaly
45, 54.231, 33.579

Monochromacy



Original Color
45, 60.120, 45.206

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 19.924, 44.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 60.120, 45.206 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(181, 72, 36)` looks like.

```
.text, #text, p{  
    color:rgb(181, 72, 36)  
}
```

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(181, 72, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 72, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 60.120, 45.206 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(181, 72, 36) }
```

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

```
.border{ border-color:rgb(181, 72, 36) }
```

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

Here you see how a box with a 4 pixel rgb(181, 72, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 72, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 72, 36);  
box-shadow:4px 4px 4px 4px rgb(181, 72,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 60.120, 45.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 72, 36) }
```

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

```
.background{ background-color: rgb(181, 72,  
36) }
```

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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