

Converting Colors

CIELCh(45, 64.724, 45.673)

Have a look what the booklet for
CIELCh(45, 64.724, 45.673) contains.

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Color

CIELCh(45, 64.801, 45.445)

Conversions

Conversions Part 1

Format	Color
Hex	B9441D
RGB	185, 68, 29
RGB Percent	73%, 27%, 11%
CMY	0.2744, 0.7332, 0.8862
CMYK	0.00, 0.63, 0.84, 0.27
HSL	15°, 73%, 42%
HSV	15°, 84%, 73%
XYZ	22.3023, 14.5417, 2.7948
YIQ	98.5370, 82.2510, 12.6750

Conversions

Conversions Part 2

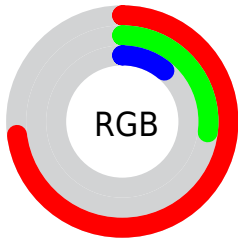
Format	Color
RYB	185, 81, 29
Decimal	12141597
CIELab	45.00, 45.46, 46.18
CIELCh	45, 64.801, 45.445
Yxy	14.5417, 0.5626, 0.3669
Android (android.graphics.Color)	4290331677 (0xFFB9441D)
YUV	98.5370, -34.2817, 75.8281
Hunter-Lab	38.1336, 37.6615, 22.3481

Details

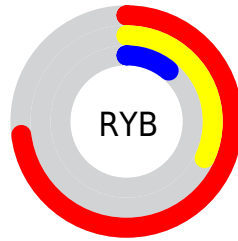
The CIELCh color **45, 64.801, 45.445** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **56, 33.622, 239.639**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.908, 45.460**, and **25, 58.907, 39.277** is the 20% darker color. If you saturate the color by 10%, you get **43, 72.413, 45.314**, and if you desaturate by 10%, it is **48, 55.990, 45.089**.

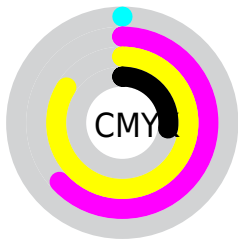
Distribution



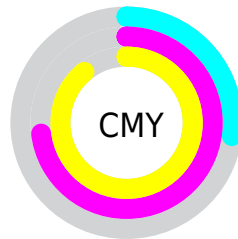
- Red (73%)
- Green (27%)
- Blue (11%)



- Red (73%)
- Yellow (32%)
- Blue (11%)



- Cyan (0%)
- Magenta (63%)
- Yellow (84%)
- Black (27%)



- Cyan (27%)
- Magenta (73%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 64.801, 45.445 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, 64.801, 45.445 by changing the saturation by 10% instead.

45, 64.801, 45.445

45, 64.801, 45.445

100, 64.801,
45.445

35, 64.801, 45.445

65, 64.801, 45.445

25, 64.801, 45.445

75, 64.801, 45.445

15, 64.801, 45.445

85, 64.801, 45.445

5, 64.801, 45.445

95, 64.801, 45.445

0, 64.801, 45.445

45, 64.801, 45.445

45, 64.801, 45.445

43, 72.413, 45.314

48, 55.990, 45.089

42, 76.229, 45.248

51, 46.993, 44.681

■ 54, 38.272, 44.396

■ 58, 30.028, 44.279

■ 61, 22.332, 44.325

■ 65, 15.196, 44.507

■ 69, 8.595, 44.787

■ 73, 2.491, 45.036

■ 78, 3.166, 225.846

Harmonies

Complementary

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



45, 64.801, 45.445



56, 33.622, 239.639

Rectangle

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



45, 64.801, 45.445



45, 64.801, 95.445



45, 64.801, 225.445



45, 64.801, 275.445

Sweetspot

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



45, 64.799, 45.448



82, 19.366, 44.482



43, 72.755, 339.242



42, 13.393, 44.409



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



45, 64.799, 45.448



54, 93.112, 44.781



62, 61.371, 86.178



37, 3.314, 44.940



35, 66.705, 45.620



4, 9.105, 37.497

Inverse Universe

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



56, 33.622, 239.639



69, 43.863, 247.102



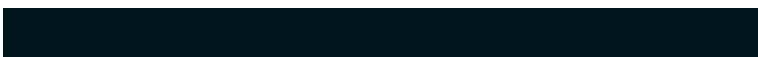
34, 72.391, 295.839



38, 3.139, 225.999



46, 31.516, 245.575



6, 8.532, 237.496

Previews

White Background



This preview shows how the CIELCh color 45, 64.801, 45.445 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, 64.801, 45.445 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, 64.801, 45.445

Background



This preview shows how black text looks on a background with the CIELCh color 45, 64.801, 45.445.



This preview shows how white text looks on a background with the CIELCh color 45, 64.801, 45.445.

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, 64.801, 45.445

Protanopia

45, 38.884, 95.279

Deuteranopia

45, 49.458, 83.834



Tritanopia
45, 55.214, 26.696

Trichromacy



Original Color
45, 64.801, 45.445

Protanomaly
44, 43.225, 68.878

Deuteranomaly
44, 52.023, 66.454

Tritanomaly
45, 58.345, 34.466

Monochromacy



Original Color
45, 64.801, 45.445

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 21.663, 44.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 64.801, 45.445 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(185, 68, 29)` looks like.

```
.text, #text, p{  
    color:rgb(185, 68, 29)  
}
```

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(185, 68, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 68, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 64.801, 45.445 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(185, 68, 29) }
```

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

```
.border{ border-color:rgb(185, 68, 29) }
```

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

Here you see how a box with a 4 pixel rgb(185, 68, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 68, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 68, 29);  
box-shadow:4px 4px 4px 4px rgb(185, 68,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 64.801, 45.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 68, 29) }
```

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

```
.background{ background-color: rgb(185, 68,  
29) }
```

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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