

Converting Colors

CIELCh(45, 56.864, 50.477)

Have a look what the booklet for
CIELCh(45, 56.864, 50.477) contains.

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Color

CIELCh(45, 56.909, 50.531)

Conversions

Conversions Part 1

Format	Color
Hex	AD4E20
RGB	173, 78, 32
RGB Percent	68%, 31%, 13%
CMY	0.3198, 0.6927, 0.8731
CMYK	0.00, 0.55, 0.81, 0.32
HSL	20°, 69%, 40%
HSV	20°, 81%, 68%
XYZ	20.3471, 14.5417, 3.1260
YIQ	101.1610, 71.3860, 5.8340

Conversions

Conversions Part 2

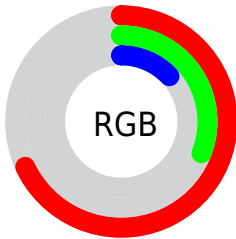
Format	Color
R _Y B	173, 100, 32
Decimal	11357728
CIE Lab	45.00, 36.17, 43.93
CIE LCh	45, 56.909, 50.531
Yxy	14.5417, 0.5352, 0.3825
Android (android.graphics.Color)	4289547808 (0xFFAD4E20)
YUV	101.1610, -34.0964, 63.0028
Hunter-Lab	38.1336, 28.5093, 21.8333

Details

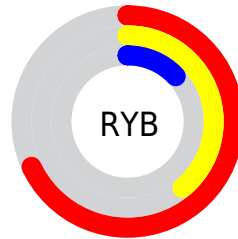
The CIELCh color **45, 56.909, 50.531** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **50, 33.621, 251.876**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 56.937, 50.359**, and **25, 51.534, 44.997** is the 20% darker color. If you saturate the color by 10%, you get **43, 64.235, 49.776**, and if you desaturate by 10%, it is **48, 48.833, 50.916**.

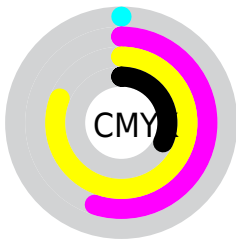
Distribution



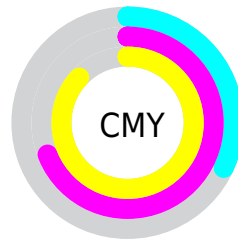
- Red (68%)
- Green (31%)
- Blue (13%)



- Red (68%)
- Yellow (39%)
- Blue (13%)



- Cyan (0%)
- Magenta (55%)
- Yellow (81%)
- Black (32%)



- Cyan (32%)
- Magenta (69%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 56.909, 50.531 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, 56.909, 50.531 by changing the saturation by 10% instead.

■ 45, 56.909, 50.531

■ 45, 56.909, 50.531

■ 100, 56.909,
50.531

■ 35, 56.909, 50.531

■ 65, 56.909, 50.531

■ 25, 56.909, 50.531

■ 75, 56.909, 50.531

■ 15, 56.909, 50.531

■ 85, 56.909, 50.531

■ 5, 56.909, 50.531

■ 95, 56.909, 50.531

■ 0, 56.909, 50.531

■ 45, 56.909, 50.531

■ 45, 56.909, 50.531

■ 43, 64.235, 49.776

■ 48, 48.833, 50.916

■ 41, 69.704, 48.910

■ 50, 40.727, 51.228

■ 53, 32.923, 51.595

■ 57, 25.555, 52.054

■ 60, 18.666, 52.604

■ 63, 12.251, 53.229

■ 67, 6.280, 53.895

■ 70, 0.717, 54.093

■ 74, 4.482, 235.580

Harmonies

Complementary

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



45, 56.909, 50.531



50, 33.621, 251.876

Rectangle

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



45, 56.909, 50.531



45, 56.909, 100.531



45, 56.909, 230.531



45, 56.909, 280.531

Sweetspot

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



45, 56.907, 50.534



79, 17.176, 53.031



41, 65.448, 342.661



40, 11.935, 52.815



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 56.907, 50.534



53, 83.670, 48.552



62, 59.154, 91.815



35, 3.110, 54.028



35, 62.515, 49.320



3, 6.437, 47.367

Inverse Universe

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



50, 33.621, 251.876



60, 46.184, 260.553



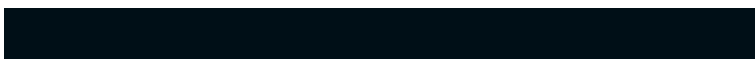
30, 72.247, 297.930



35, 2.970, 235.685



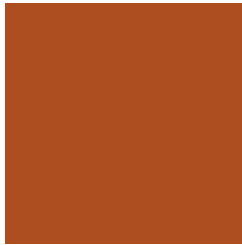
41, 34.204, 259.934



4, 6.525, 246.182

Previews

White Background



This preview shows how the CIELCh color 45, 56.909, 50.531 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, 56.909, 50.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

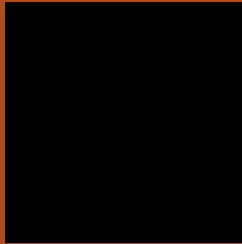
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 56.909, 50.531

Background



This preview shows how black text looks on a background with the CIELCh color 45, 56.909, 50.531.



This preview shows how white text looks on a background with the CIELCh color 45, 56.909, 50.531.

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, 56.909, 50.531

Protanopia

45, 38.412, 95.241

Deuteranopia

45, 46.085, 82.960



Tritanopia
45, 45.531, 23.935

Trichromacy



Original Color
45, 56.909, 50.531

Protanomaly
44, 41.112, 74.413

Deuteranomaly
45, 47.980, 68.595

Tritanomaly
45, 48.301, 36.155

Monochromacy



Original Color
45, 56.909, 50.531

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 19.087, 50.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 56.909, 50.531 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(173, 78, 32)` looks like.

```
.text, #text, p{  
    color:rgb(173, 78, 32)  
}
```

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(173, 78, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 78, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 56.909, 50.531 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(173, 78, 32) }
```

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

```
.border{ border-color:rgb(173, 78, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 78, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 78, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 78, 32);  
box-shadow:4px 4px 4px 4px rgb(173, 78,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 56.909, 50.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 78, 32) }
```

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

```
.background{ background-color: rgb(173, 78,  
32) }
```

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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