

Converting Colors

CIELCh(45, 61.200, 30.712)

Have a look what the booklet for
CIELCh(45, 61.200, 30.712) contains.

CIELCh(45, 60.917, 30.532)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 60.917, 30.532)

Conversions

Conversions Part 1

Format	Color
Hex	BF3B3A
RGB	191, 59, 58
RGB Percent	75%, 23%, 23%
CMY	0.2504, 0.7681, 0.7722
CMYK	0.00, 0.69, 0.70, 0.25
HSL	0°, 53%, 49%
HSV	0°, 70%, 75%
XYZ	23.8572, 14.5417, 5.5658
YIQ	98.3540, 78.9930, 27.6730

Conversions

Conversions Part 2

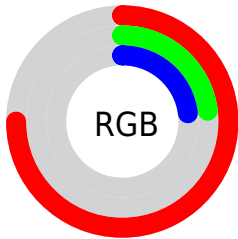
Format	Color
R_{YB}	191, 59, 58
Decimal	12532538
CIE _{Lab}	45.00, 52.47, 30.95
CIE _{LCh}	45, 60.917, 30.532
Yxy	14.5417, 0.5426, 0.3308
Android (android.graphics.Color)	4290722618 (0xFFBF3B3A)
YUV	98.3540, -19.8945, 81.2505
Hunter-Lab	38.1336, 44.9398, 18.0398

Details

The CIELCh color **45, 60.917, 30.532** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **71, 35.823, 197.623**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.912, 30.725**, and **26, 58.331, 33.044** is the 20% darker color. If you saturate the color by 10%, you get **42, 70.101, 33.865**, and if you desaturate by 10%, it is **48, 51.275, 27.710**.

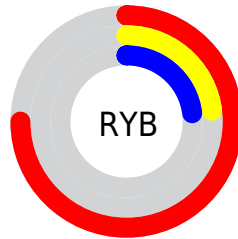
Distribution



Red (75%)

Green (23%)

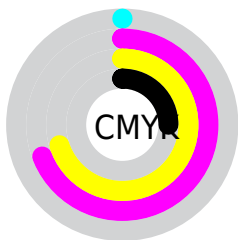
Blue (23%)



Red (75%)

Yellow (23%)

Blue (23%)

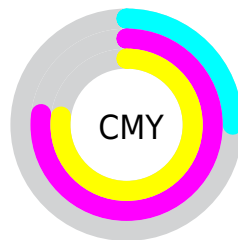


Cyan (0%)

Magenta (69%)

Yellow (70%)

Black (25%)



Cyan (25%)

Magenta (77%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 60.917, 30.532 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, 60.917, 30.532 by changing the saturation by 10% instead.

■ 45, 60.917, 30.532

■ 45, 60.917, 30.532

■ 100, 60.917,
30.532

■ 35, 60.917, 30.532

■ 65, 60.917, 30.532

■ 25, 60.917, 30.532

■ 75, 60.917, 30.532

■ 15, 60.917, 30.532

■ 85, 60.917, 30.532

■ 5, 60.917, 30.532

■ 95, 60.917, 30.532

■ 0, 60.917, 30.532

■ 45, 60.917, 30.532

■ 45, 60.917, 30.532

■ 42, 70.101, 33.865

■ 48, 51.275, 27.710

■ 41, 78.067, 37.246

■ 52, 41.599, 25.466

40, 83.845, 39.960

57, 32.178, 23.733

40, 84.085, 40.078

62, 23.206, 22.404

67, 14.789, 21.382

72, 6.966, 20.566

78, 0.276, 201.978

83, 6.973, 199.652

89, 13.175,
199.248

Harmonies

Complementary

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



45, 60.917, 30.532



71, 35.823, 197.623

Rectangle

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



45, 60.917, 30.532



45, 60.917, 80.532



45, 60.917, 210.532



45, 60.917, 260.532

Sweetspot

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



45, 60.914, 30.535



84, 19.666, 21.541



49, 80.062, 327.747



43, 13.565, 21.813



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



45, 60.914, 30.535



54, 90.897, 35.849



58, 49.827, 66.590



37, 4.064, 20.547



32, 72.695, 39.774



3, 12.185, 19.856

Inverse Universe

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



71, 35.823, 197.623



88, 47.076, 197.532



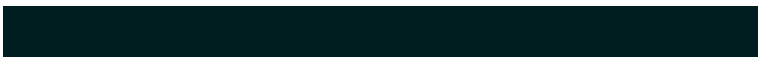
51, 40.988, 271.226



39, 3.833, 199.660



59, 34.676, 197.580



9, 11.540, 197.691

Previews

White Background



This preview shows how the CIELCh color 45, 60.917, 30.532 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, 60.917, 30.532 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, 60.917, 30.532

Background



This preview shows how black text looks on a background with the CIELCh color 45, 60.917, 30.532.



This preview shows how white text looks on a background with the CIELCh color 45, 60.917, 30.532.

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, 60.917, 30.532

Protanopia

45, 19.322, 95.192

Deuteranopia

45, 33.487, 79.991



Tritanopia
45, 59.966, 28.536

Trichromacy



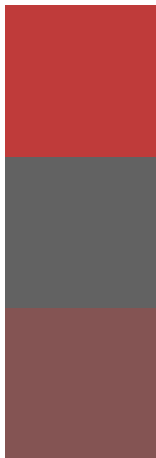
Original Color
45, 60.917, 30.532

Protanomaly
44, 28.711, 47.497

Deuteranomaly
44, 39.592, 50.586

Tritanomaly
45, 60.197, 29.043

Monochromacy



Original Color
45, 60.917, 30.532

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 21.772, 24.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 60.917, 30.532 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(191, 59, 58)` looks like.

```
.text, #text, p{  
    color:rgb(191, 59, 58)  
}
```

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(191, 59, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 59, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 60.917, 30.532 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(191, 59, 58) }
```

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

```
.border{ border-color:rgb(191, 59, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 59, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 59, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 59, 58);  
box-shadow:4px 4px 4px 4px rgb(191, 59,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 60.917, 30.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 59, 58) }
```

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

```
.background{ background-color: rgb(191, 59,  
58) }
```

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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