

Converting Colors

CIELCh(45, 52.489, 19.213)

Have a look what the booklet for
CIELCh(45, 52.489, 19.213) contains.

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Color

CIELCh(45, 52.832, 19.394)

Conversions

Conversions Part 1

Format	Color
Hex	B94050
RGB	185, 64, 80
RGB Percent	73%, 25%, 31%
CMY	0.2748, 0.7493, 0.6865
CMYK	0.00, 0.65, 0.57, 0.27
HSL	352°, 49%, 49%
HSV	352°, 65%, 73%
XYZ	23.2640, 14.5417, 9.1582
YIQ	102.0030, 66.9800, 30.6280

Conversions

Conversions Part 2

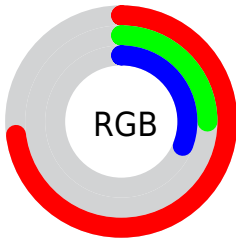
Format	Color
RYB	185, 64, 80
Decimal	12140624
CIELab	45.00, 49.83, 17.54
CIELCh	45, 52.832, 19.394
Yxy	14.5417, 0.4954, 0.3096
Android (android.graphics.Color)	4290330704 (0xFFB94050)
YUV	102.0030, -10.8475, 72.7884
Hunter-Lab	38.1336, 42.1628, 12.4543

Details

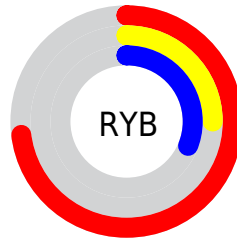
The CIELCh color **45, 52.832, 19.394** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **68, 37.101, 182.650**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 52.985, 19.432**, and **25, 51.802, 20.342** is the 20% darker color. If you saturate the color by 10%, you get **42, 60.616, 22.965**, and if you desaturate by 10%, it is **49, 44.514, 16.550**.

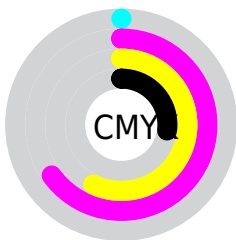
Distribution



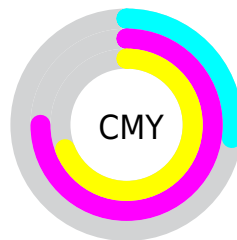
- Red (73%)
- Green (25%)
- Blue (31%)



- Red (73%)
- Yellow (25%)
- Blue (31%)



- Cyan (0%)
- Magenta (65%)
- Yellow (57%)
- Black (27%)



- Cyan (27%)
- Magenta (75%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 52.832, 19.394 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, 52.832, 19.394 by changing the saturation by 10% instead.

 45, 52.832, 19.394

 45, 52.832, 19.394

 100, 52.832,
19.394

 35, 52.832, 19.394

 65, 52.832, 19.394

 25, 52.832, 19.394

 75, 52.832, 19.394

 15, 52.832, 19.394

 85, 52.832, 19.394

 5, 52.832, 19.394

 95, 52.832, 19.394

 0, 52.832, 19.394

 45, 52.832, 19.394

 45, 52.832, 19.394

 42, 60.616, 22.965

 49, 44.514, 16.550

 40, 67.640, 27.273

 53, 35.967, 14.305

39, 73.743, 32.060

57, 27.463, 12.526

39, 76.344, 34.053

62, 19.206, 11.096

67, 11.319, 9.920

72, 3.863, 8.876

78, 3.151, 188.355

83, 9.737, 187.557

88, 15.923,
186.938

Harmonies

Complementary

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



45, 52.832, 19.394



68, 37.101, 182.650

Rectangle

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



45, 52.832, 19.394



45, 52.832, 69.394



45, 52.832, 199.394



45, 52.832, 249.394

Sweetspot

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



45, 52.829, 19.396



82, 18.385, 10.470



46, 73.831, 323.393



42, 12.636, 10.805



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, 52.829, 19.396



53, 77.918, 24.977



53, 45.834, 54.701



36, 4.058, 9.285



32, 66.687, 33.353



2, 10.763, 11.414

Inverse Universe

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



45, 52.829, 19.396



53, 77.918, 24.977



56, 31.662, 252.320



36, 4.058, 9.285



32, 66.687, 33.353



2, 10.763, 11.414

Previews

White Background



This preview shows how the CIELCh color 45, 52.832, 19.394 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 CIE LCh color 45, 52.832, 19.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

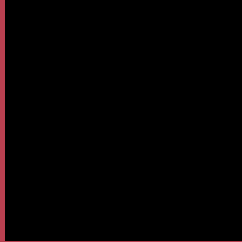
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 52.832, 19.394

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.832, 19.394.



This preview shows how white text looks on a background with the CIELCh color 45, 52.832, 19.394.

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, 52.832, 19.394

Protanopia

45, 4.474, 87.412

Deuteranopia

45, 20.940, 74.068



Tritanopia
45, 53.382, 26.164

Trichromacy



Original Color
45, 52.832, 19.394

Protanomaly
44, 20.745, 19.065

Deuteranomaly
44, 29.416, 37.835

Tritanomaly
45, 52.966, 23.356

Monochromacy



Original Color
45, 52.832, 19.394

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 19.484, 11.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.832, 19.394 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, 64, 80)` looks like.

```
.text, #text, p{  
    color:rgb(185, 64, 80)  
}
```

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, 64, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 64, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.832, 19.394 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, 64, 80) }
```

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

```
.border{ border-color:rgb(185, 64, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 64, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 64, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 64, 80);  
box-shadow:4px 4px 4px 4px rgb(185, 64,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.832, 19.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 64, 80) }
```

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

```
.background{ background-color: rgb(185, 64,  
80) }
```

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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