

Converting Colors

CIELCh(45, 51.014, 17.924)

Have a look what the booklet for
CIELCh(45, 51.014, 17.924) contains.

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Color

CIELCh(45, 51.014, 17.924)

Conversions

Conversions Part 1

Format	Color
Hex	B74253
RGB	183, 66, 83
RGB Percent	72%, 26%, 33%
CMY	0.2831, 0.7418, 0.6751
CMYK	0.00, 0.64, 0.55, 0.28
HSL	351°, 47%, 49%
HSV	351°, 64%, 72%
XYZ	22.9759, 14.5417, 9.7486
YIQ	102.9210, 64.2750, 30.0910

Conversions

Conversions Part 2

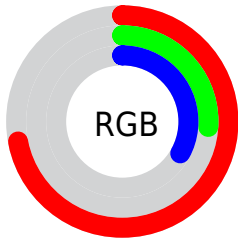
Format	Color
R _Y B	183, 66, 83
Decimal	12010067
CIE Lab	45.00, 48.54, 15.70
CIE LCh	45, 51.014, 17.924
Yxy	14.5417, 0.4861, 0.3077
Android (android.graphics.Color)	4290200147 (0xFFB74253)
YUV	102.9210, -9.8211, 70.2293
Hunter-Lab	38.1336, 40.8146, 11.5365

Details

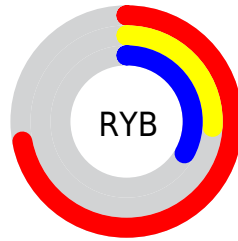
The CIELCh color **45, 51.014, 17.924** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **68, 36.623, 181.545**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 50.784, 18.221**, and **25, 50.595, 17.661** is the 20% darker color. If you saturate the color by 10%, you get **42, 58.693, 21.382**, and if you desaturate by 10%, it is **49, 42.814, 15.181**.

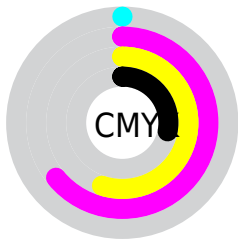
Distribution



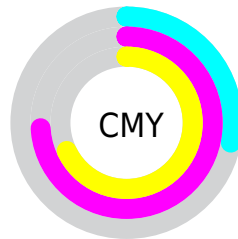
- Red (72%)
- Green (26%)
- Blue (33%)



- Red (72%)
- Yellow (26%)
- Blue (33%)



- Cyan (0%)
- Magenta (64%)
- Yellow (55%)
- Black (28%)



- Cyan (28%)
- Magenta (74%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 51.014, 17.924 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, 51.014, 17.924 by changing the saturation by 10% instead.

 45, 51.014, 17.924

 45, 51.014, 17.924

 100, 51.014,
17.924

 35, 51.014, 17.924

 65, 51.014, 17.924

 25, 51.014, 17.924

 75, 51.014, 17.924

 15, 51.014, 17.924

 85, 51.014, 17.924

 5, 51.014, 17.924

 95, 51.014, 17.924

 0, 51.014, 17.924

 45, 51.014, 17.924

 45, 51.014, 17.924

 42, 58.693, 21.382

 49, 42.814, 15.181

 40, 65.619, 25.605

 53, 34.398, 13.012

39, 71.660, 30.427

57, 26.032, 11.287

38, 75.009, 33.196

62, 17.912, 9.892

67, 10.154, 8.734

72, 2.812, 7.660

77, 4.103, 187.151

83, 10.604,
186.386

88, 16.720,
185.766

Harmonies

Complementary

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



45, 51.014, 17.924



68, 36.623, 181.545

Rectangle

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



45, 51.014, 17.924



45, 51.014, 67.924



45, 51.014, 197.924



45, 51.014, 247.924

Sweetspot

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



45, 51.011, 17.926



82, 17.303, 9.327



46, 71.796, 322.839



42, 12.101, 9.666



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, 51.011, 17.926



53, 75.068, 23.102



53, 44.419, 53.273



36, 4.071, 8.248



32, 66.115, 32.515



2, 10.786, 10.631

Inverse Universe

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



45, 51.011, 17.926



53, 75.068, 23.102



56, 30.345, 249.318



36, 4.071, 8.248



32, 66.115, 32.515



2, 10.786, 10.631

Previews

White Background



This preview shows how the CIELCh color 45, 51.014, 17.924 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, 51.014, 17.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

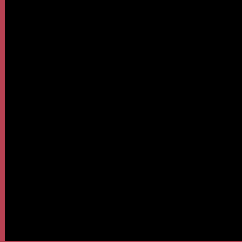
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 51.014, 17.924

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.014, 17.924.



This preview shows how white text looks on a background with the CIELCh color 45, 51.014, 17.924.

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, 51.014, 17.924

Protanopia

45, 2.673, 81.907

Deuteranopia

45, 19.151, 72.737



Tritanopia
45, 51.540, 25.631

Trichromacy



Original Color
45, 51.014, 17.924

Protanomaly
44, 19.308, 15.117

Deuteranomaly
44, 27.742, 35.012

Tritanomaly
45, 51.173, 22.698

Monochromacy



Original Color
45, 51.014, 17.924

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 19.057, 9.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.014, 17.924 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(183, 66, 83)` looks like.

```
.text, #text, p{  
    color:rgb(183, 66, 83)  
}
```

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(183, 66, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 66, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.014, 17.924 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(183, 66, 83) }
```

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

```
.border{ border-color:rgb(183, 66, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 66, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 66, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 66, 83);  
box-shadow:4px 4px 4px 4px rgb(183, 66,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.014, 17.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 66, 83) }
```

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

```
.background{ background-color: rgb(183, 66,  
83) }
```

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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