

Converting Colors

CIELCh(45, 50.964, 27.964)

Have a look what the booklet for
CIELCh(45, 50.964, 27.964) contains.

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Color

CIELCh(45, 51.101, 28.299)

Conversions

Conversions Part 1

Format	Color
Hex	B54645
RGB	181, 70, 69
RGB Percent	71%, 27%, 27%
CMY	0.2917, 0.7268, 0.7306
CMYK	0.00, 0.61, 0.62, 0.29
HSL	1°, 45%, 49%
HSV	1°, 62%, 71%
XYZ	22.2005, 14.5417, 7.2189
YIQ	103.0750, 66.4770, 23.2210

Conversions

Conversions Part 2

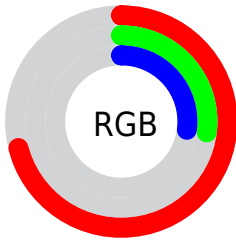
Format	Color
R_{YB}	181, 70, 69
Decimal	11880005
CIE _{Lab}	45.00, 44.99, 24.23
CIE _{LCh}	45, 51.101, 28.299
Yxy	14.5417, 0.5050, 0.3308
Android (android.graphics.Color)	4290070085 (0xFFB54645)
YUV	103.0750, -16.7990, 68.3402
Hunter-Lab	38.1336, 37.1846, 15.4696

Details

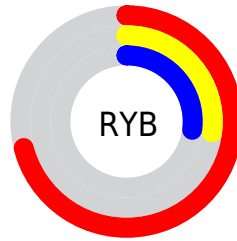
The CIELCh color **45, 51.101, 28.299** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **67, 32.120, 197.836**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 51.285, 28.556**, and **25, 50.948, 28.176** is the 20% darker color. If you saturate the color by 10%, you get **42, 60.255, 31.225**, and if you desaturate by 10%, it is **49, 41.841, 25.954**.

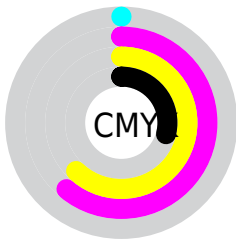
Distribution



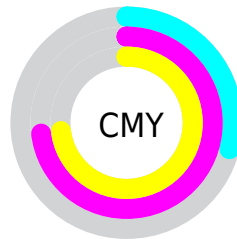
- Red (71%)
- Green (27%)
- Blue (27%)



- Red (71%)
- Yellow (27%)
- Blue (27%)



- Cyan (0%)
- Magenta (61%)
- Yellow (62%)
- Black (29%)



- Cyan (29%)
- Magenta (73%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 51.101, 28.299 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, 51.101, 28.299 by changing the saturation by 10% instead.

■ 45, 51.101, 28.299

■ 45, 51.101, 28.299

■ 100, 51.101,
28.299

■ 35, 51.101, 28.299

■ 65, 51.101, 28.299

■ 25, 51.101, 28.299

■ 75, 51.101, 28.299

■ 15, 51.101, 28.299

■ 85, 51.101, 28.299

■ 5, 51.101, 28.299

■ 95, 51.101, 28.299

■ 0, 51.101, 28.299

■ 45, 51.101, 28.299

■ 45, 51.101, 28.299

■ 42, 60.255, 31.225

■ 49, 41.841, 25.954

■ 40, 68.872, 34.598

■ 53, 32.775, 24.131

38, 76.096, 37.852

58, 24.106, 22.732

38, 80.581, 40.079

62, 15.950, 21.657

67, 8.355, 20.811

73, 1.318, 19.853

78, 5.191, 199.850

83, 11.218,
199.410

88, 16.814,
199.089

Harmonies

Complementary

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



45, 51.101, 28.299



67, 32.120, 197.836

Rectangle

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



45, 51.101, 28.299



45, 51.101, 78.299



45, 51.101, 208.299



45, 51.101, 258.299

Sweetspot

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



45, 51.099, 28.302



81, 16.894, 21.415



49, 70.392, 327.491



41, 11.745, 21.674



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



45, 51.099, 28.302



53, 76.840, 32.300



57, 41.887, 67.675



35, 3.877, 20.610



31, 70.811, 39.655



2, 9.094, 19.963

Inverse Universe

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



67, 32.120, 197.836



85, 43.183, 197.677



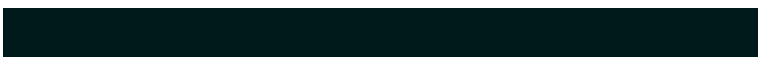
51, 35.071, 268.423



37, 3.658, 199.738



57, 33.813, 197.708



7, 9.015, 200.232

Previews

White Background



This preview shows how the CIELCh color 45, 51.101, 28.299 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, 51.101, 28.299 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, 51.101, 28.299

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.101, 28.299.



This preview shows how white text looks on a background with the CIELCh color 45, 51.101, 28.299.

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, 51.101, 28.299

Protanopia

45, 13.965, 95.342

Deuteranopia

45, 26.895, 77.113

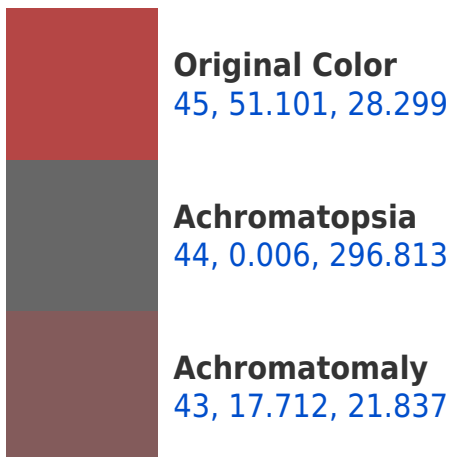


Tritanopia
45, 50.616, 25.365

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.101, 28.299 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(181, 70, 69)` looks like.

```
.text, #text, p{  
    color:rgb(181, 70, 69)  
}
```

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(181, 70, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 70, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.101, 28.299 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(181, 70, 69) }
```

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

```
.border{ border-color:rgb(181, 70, 69) }
```

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

Here you see how a box with a 4 pixel rgb(181, 70, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 70, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 70, 69);  
box-shadow:4px 4px 4px 4px rgb(181, 70,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.101, 28.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 70, 69) }
```

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

```
.background{ background-color: rgb(181, 70,  
69) }
```

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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