

Converting Colors

CIELCh(45, 69.545, 31.172)

Have a look what the booklet for
CIELCh(45, 69.545, 31.172) contains.

CIELCh(45, 69.516, 31.169)	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, 69.516, 31.169)

Conversions

Conversions Part 1

Format	Color
Hex	C82E32
RGB	200, 46, 50
RGB Percent	78%, 18%, 20%
CMY	0.2143, 0.8181, 0.8030
CMYK	0.00, 0.77, 0.75, 0.21
HSL	358°, 62%, 48%
HSV	358°, 77%, 79%
XYZ	25.4837, 14.5417, 4.5088
YIQ	92.5020, 90.5000, 33.8920

Conversions

Conversions Part 2

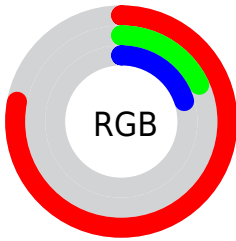
Format	Color
RYB	200, 46, 50
Decimal	13119026
CIELab	45.00, 59.48, 35.98
CIElCh	45, 69.516, 31.169
Yxy	14.5417, 0.5722, 0.3265
Android (android.graphics.Color)	4291309106 (0xFFC82E32)
YUV	92.5020, -20.9535, 94.2757
Hunter-Lab	38.1336, 52.5530, 19.6832

Details

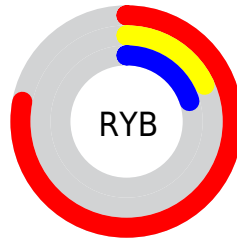
The CIELCh color **45, 69.516, 31.169** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **74, 39.786, 193.446**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 65.976, 30.900**, and **28, 63.830, 37.202** is the 20% darker color. If you saturate the color by 10%, you get **43, 78.002, 34.988**, and if you desaturate by 10%, it is **48, 60.106, 27.719**.

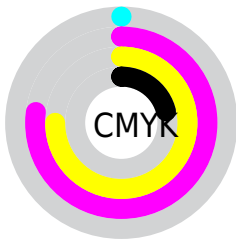
Distribution



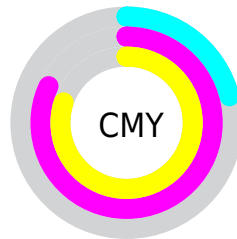
- Red (78%)
- Green (18%)
- Blue (20%)



- Red (78%)
- Yellow (18%)
- Blue (20%)



- Cyan (0%)
- Magenta (77%)
- Yellow (75%)
- Black (21%)



- Cyan (21%)
- Magenta (82%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 69.516, 31.169 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, 69.516, 31.169 by changing the saturation by 10% instead.

 45, 69.516, 31.169

 45, 69.516, 31.169

 100, 69.516,
31.169

 35, 69.516, 31.169

 65, 69.516, 31.169

 25, 69.516, 31.169

 75, 69.516, 31.169

 15, 69.516, 31.169

 85, 69.516, 31.169

 5, 69.516, 31.169

 95, 69.516, 31.169

 0, 69.516, 31.169

 45, 69.516, 31.169

 45, 69.516, 31.169

 43, 78.002, 34.988

 48, 60.106, 27.719

 42, 84.495, 38.323

 52, 50.303, 24.885

42, 86.108, 39.075

56, 40.467, 22.658

61, 30.882, 20.934

66, 21.742, 19.598

71, 13.153, 18.548

77, 5.150, 17.671

83, 2.276, 197.373

88, 9.164, 196.671

Harmonies

Complementary

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



45, 69.516, 31.169



74, 39.786, 193.446

Rectangle

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



45, 69.516, 31.169



45, 69.516, 81.169



45, 69.516, 211.169



45, 69.516, 261.169

Sweetspot

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



45, 69.513, 31.171



84, 22.364, 19.200



49, 88.097, 326.823



43, 15.685, 19.614



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 69.513, 31.171



54, 98.964, 37.289



58, 57.635, 62.464



39, 4.278, 17.888



34, 73.635, 38.758



3, 15.894, 18.101

Inverse Universe

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



45, 69.513, 31.171



54, 98.964, 37.289



52, 44.277, 270.377



39, 4.278, 17.888



34, 73.635, 38.758



3, 15.894, 18.101

Previews

White Background



This preview shows how the CIELCh color 45, 69.516, 31.169 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, 69.516, 31.169 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, 69.516, 31.169

Background



This preview shows how black text looks on a background with the CIELCh color 45, 69.516, 31.169.



This preview shows how white text looks on a background with the CIELCh color 45, 69.516, 31.169.

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, 69.516, 31.169

Protanopia

45, 22.256, 95.062

Deuteranopia

45, 39.246, 81.251



Tritanopia
45, 69.840, 32.206

Trichromacy



Original Color
45, 69.516, 31.169

Protanomaly
43, 33.414, 45.483

Deuteranomaly
43, 45.677, 51.499

Tritanomaly
45, 69.576, 31.800

Monochromacy



Original Color
45, 69.516, 31.169

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 25.673, 22.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 69.516, 31.169 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(200, 46, 50)` looks like.

```
.text, #text, p{  
    color:rgb(200, 46, 50)  
}
```

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(200, 46, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 46, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 69.516, 31.169 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(200, 46, 50) }
```

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

```
.border{ border-color:rgb(200, 46, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 46, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 46, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 46, 50);  
box-shadow:4px 4px 4px 4px rgb(200, 46,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 69.516, 31.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 46, 50) }
```

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

```
.background{ background-color: rgb(200, 46,  
50) }
```

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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