

Converting Colors

CIELCh(46, 65.984, 19.200)

Have a look what the booklet for
CIELCh(46, 65.984, 19.200) contains.

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Color

CIELCh(46, 65.947, 19.356)

Conversions

Conversions Part 1

Format	Color
Hex	CC2D4C
RGB	204, 45, 76
RGB Percent	80%, 18%, 30%
CMY	0.1995, 0.8229, 0.7016
CMYK	0.00, 0.78, 0.63, 0.20
HSL	348°, 64%, 49%
HSV	348°, 78%, 80%
XYZ	27.1919, 15.2687, 8.3701
YIQ	96.0750, 84.8130, 43.3490

Conversions

Conversions Part 2

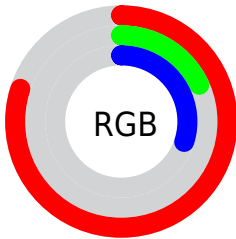
Format	Color
RYB	204, 45, 76
Decimal	13380940
CIELab	46.00, 62.22, 21.86
CIElCh	46, 65.947, 19.356
Yxy	15.2687, 0.5350, 0.3004
Android (android.graphics.Color)	4291571020 (0xFFCC2D4C)
YUV	96.0750, -9.8970, 94.6502
Hunter-Lab	39.0751, 55.8345, 14.6524

Details

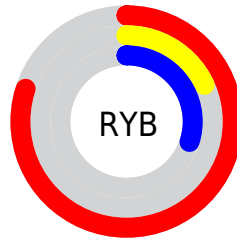
The CIELCh color **46, 65.947, 19.356** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **74, 46.999, 175.018**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 61.193, 18.013**, and **29, 58.308, 25.609** is the 20% darker color. If you saturate the color by 10%, you get **44, 72.419, 23.996**, and if you desaturate by 10%, it is **49, 58.443, 15.551**.

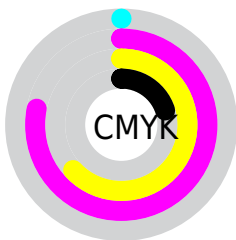
Distribution



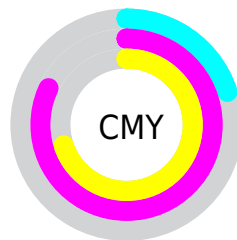
- Red (80%)
- Green (18%)
- Blue (30%)



- Red (80%)
- Yellow (18%)
- Blue (30%)



- Cyan (0%)
- Magenta (78%)
- Yellow (63%)
- Black (20%)



- Cyan (20%)
- Magenta (82%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 65.947, 19.356 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 46, 65.947, 19.356 by changing the saturation by 10% instead.

 46, 65.947, 19.356

 46, 65.947, 19.356

 100, 65.947,
19.356

 36, 65.947, 19.356

 66, 65.947, 19.356

 26, 65.947, 19.356

 76, 65.947, 19.356

 16, 65.947, 19.356

 86, 65.947, 19.356

 6, 65.947, 19.356

 96, 65.947, 19.356

 0, 65.947, 19.356

 46, 65.947, 19.356

 46, 65.947, 19.356

 44, 72.419, 23.996

 49, 58.443, 15.551

 43, 77.974, 29.209

 53, 50.093, 12.523

43, 79.149, 30.255

57, 41.219, 10.132

62, 32.166, 8.228

67, 23.208, 6.687

72, 14.531, 5.411

78, 6.236, 4.305

83, 1.633, 183.804

89, 9.071, 182.761

Harmonies

Complementary

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



46, 65.947, 19.356



74, 46.999, 175.018

Rectangle

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



46, 65.947, 19.356



46, 65.947, 69.356



46, 65.947, 199.356



46, 65.947, 249.356

Sweetspot

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



46, 65.944, 19.358



85, 22.700, 6.076



46, 90.086, 321.355



43, 15.845, 6.561



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 65.944, 19.358



54, 89.877, 27.287



53, 62.652, 48.712



40, 4.508, 4.469



34, 67.269, 29.373



4, 18.199, 9.913

Inverse Universe

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



46, 65.944, 19.358



54, 89.877, 27.287



61, 36.214, 246.379



40, 4.508, 4.469



34, 67.269, 29.373



4, 18.199, 9.913

Previews

White Background



This preview shows how the CIELCh color 46, 65.947, 19.356 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 46, 65.947, 19.356 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 46, 65.947, 19.356

Background



This preview shows how black text looks on a background with the CIELCh color 46, 65.947, 19.356.



This preview shows how white text looks on a background with the CIELCh color 46, 65.947, 19.356.

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

46, 65.947, 19.356

Protanopia

46, 3.385, 80.176

Deuteranopia

46, 25.728, 76.261



Tritanopia
46, 69.366, 31.419

Trichromacy



Original Color
46, 65.947, 19.356

Protanomaly
44, 26.566, 13.268

Deuteranomaly
44, 36.917, 35.071

Tritanomaly
46, 67.625, 27.054

Monochromacy



Original Color
46, 65.947, 19.356

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 25.713, 8.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 65.947, 19.356 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(204, 45, 76)` looks like.

```
.text, #text, p{  
    color:rgb(204, 45, 76)  
}
```

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(204, 45, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 45, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 65.947, 19.356 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(204, 45, 76) }
```

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

```
.border{ border-color:rgb(204, 45, 76) }
```

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

Here you see how a box with a 4 pixel rgb(204, 45, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 45, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 45, 76);  
box-shadow:4px 4px 4px 4px rgb(204, 45,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 65.947, 19.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 45, 76) }
```

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

```
.background{ background-color: rgb(204, 45,  
76) }
```

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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