

Converting Colors

CIELCh(47, 65.159, 21.621)

Have a look what the booklet for
CIELCh(47, 65.159, 21.621) contains.

CIELCh(47, 65.159, 21.621)	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(47, 65.159, 21.621)

Conversions

Conversions Part 1

Format	Color
Hex	CE344B
RGB	206, 52, 75
RGB Percent	81%, 20%, 29%
CMY	0.1932, 0.7971, 0.7067
CMYK	0.00, 0.75, 0.64, 0.19
HSL	351°, 61%, 50%
HSV	351°, 75%, 81%
XYZ	27.8572, 16.0195, 8.2445
YIQ	100.6680, 84.4010, 39.8010

Conversions

Conversions Part 2

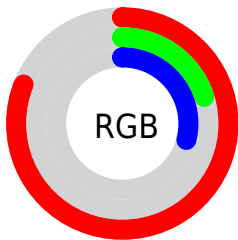
Format	Color
R_{YB}	206, 52, 75
Decimal	13513803
CIE _{Lab}	47.00, 60.57, 24.01
CIE _{LCh}	47, 65.159, 21.621
Yxy	16.0195, 0.5345, 0.3074
Android (android.graphics.Color)	4291703883 (0xFFCE344B)
YUV	100.6680, -12.6543, 92.3762
Hunter-Lab	40.0243, 54.1949, 15.8040

Details

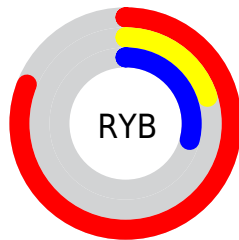
The CIELCh color **47, 65.159, 21.621** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **75, 44.320, 179.752**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 59.556, 20.261**, and **29, 59.292, 26.511** is the 20% darker color. If you saturate the color by 10%, you get **45, 72.583, 25.997**, and if you desaturate by 10%, it is **50, 56.852, 18.030**.

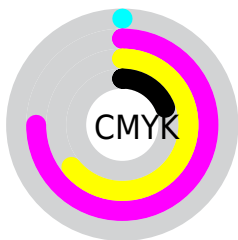
Distribution



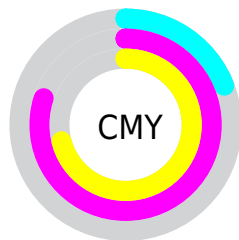
- Red (81%)
- Green (20%)
- Blue (29%)



- Red (81%)
- Yellow (20%)
- Blue (29%)



- Cyan (0%)
- Magenta (75%)
- Yellow (64%)
- Black (19%)




- Cyan (19%)
- Magenta (80%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 65.159, 21.621 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 47, 65.159, 21.621 by changing the saturation by 10% instead.

 47, 65.159, 21.621  47, 65.159, 21.621

 100, 65.159,
21.621  37, 65.159, 21.621


 67, 65.159, 21.621  27, 65.159, 21.621

 77, 65.159, 21.621  17, 65.159, 21.621

 87, 65.159, 21.621  7, 65.159, 21.621

 97, 65.159, 21.621  0, 65.159, 21.621

 47, 65.159, 21.621  47, 65.159, 21.621

 45, 72.583, 25.997  50, 56.852, 18.030

 43, 79.013, 30.936  54, 47.920, 15.174

43, 82.053, 33.352

59, 38.691, 12.922

63, 29.475, 11.135

69, 20.503, 9.695

74, 11.916, 8.504

80, 3.782, 7.432

86, 3.881, 186.886

91, 11.086,
186.086

Harmonies

Complementary

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



47, 65.159, 21.621



75, 44.320, 179.752

Rectangle

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



47, 65.159, 21.621



47, 65.159, 71.621



47, 65.159, 201.621



47, 65.159, 251.621

Sweetspot

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



47, 65.156, 21.623



85, 21.452, 9.367



48, 88.379, 322.971



44, 14.521, 9.716



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 65.156, 21.623



54, 90.217, 29.058



56, 58.971, 52.672



40, 4.447, 7.923



34, 69.279, 32.516



4, 18.090, 12.067

Inverse Universe

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



47, 65.156, 21.623



54, 90.217, 29.058



59, 37.415, 253.449



40, 4.447, 7.923



34, 69.279, 32.516



4, 18.090, 12.067

Previews

White Background



This preview shows how the CIELCh color 47, 65.159, 21.621 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 47, 65.159, 21.621 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 47, 65.159, 21.621

Background



This preview shows how black text looks on a background with the CIELCh color 47, 65.159, 21.621.

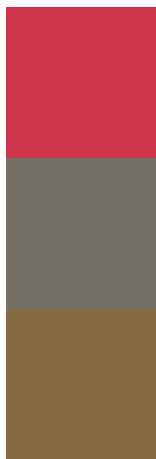


This preview shows how white text looks on a background with the CIELCh color 47, 65.159, 21.621.

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

47, 65.159, 21.621

Protanopia

47, 7.368, 92.424

Deuteranopia

47, 27.419, 76.973



Tritanopia
47, 67.809, 30.641

Trichromacy



Original Color
47, 65.159, 21.621

Protanomaly
45, 26.270, 21.832

Deuteranomaly
45, 37.043, 39.107

Tritanomaly
47, 66.614, 27.728

Monochromacy



Original Color
47, 65.159, 21.621

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 25.032, 11.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 65.159, 21.621 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(206, 52, 75)` looks like.

```
.text, #text, p{  
    color:rgb(206, 52, 75)  
}
```

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(206, 52, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 52, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 65.159, 21.621 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(206, 52, 75) }
```

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

```
.border{ border-color:rgb(206, 52, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 52, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 52, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 52, 75);  
box-shadow:4px 4px 4px 4px rgb(206, 52,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 65.159, 21.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 52, 75) }
```

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

```
.background{ background-color: rgb(206, 52,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor