

Converting Colors

CIELCh(50, 65.334, 18.532)

Have a look what the booklet for
CIELCh(50, 65.334, 18.532) contains.

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Color

CIELCh(50, 65.361, 18.653)

Conversions

Conversions Part 1

Format	Color
Hex	D83B57
RGB	216, 59, 87
RGB Percent	85%, 23%, 34%
CMY	0.1529, 0.7685, 0.6588
CMYK	0.00, 0.73, 0.60, 0.15
HSL	349°, 67%, 54%
HSV	349°, 73%, 85%
XYZ	31.6083, 18.4187, 10.9082
YIQ	109.1350, 84.5840, 41.9920

Conversions

Conversions Part 2

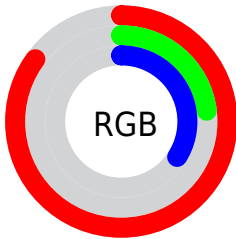
Format	Color
R_{YB}	216, 59, 87
Decimal	14170967
CIE Lab	50.00, 61.93, 20.90
CIE LCh	50, 65.361, 18.653
Yxy	18.4187, 0.5187, 0.3023
Android (android.graphics.Color)	4292361047 (0xFFD83B57)
YUV	109.1350, -10.9126, 93.7206
Hunter-Lab	42.9170, 56.3606, 14.9721

Details

The CIELCh color **50, 65.361, 18.653** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **78, 46.520, 177.263**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 56.308, 15.529**, and **32, 60.691, 22.645** is the 20% darker color. If you saturate the color by 10%, you get **47, 72.891, 22.910**, and if you desaturate by 10%, it is **53, 56.863, 15.219**.

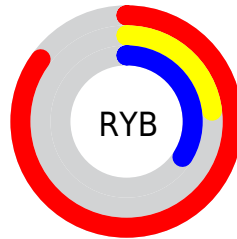
Distribution



Red (85%)

Green (23%)

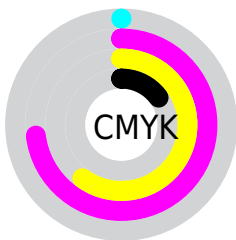
Blue (34%)



Red (85%)

Yellow (23%)

Blue (34%)

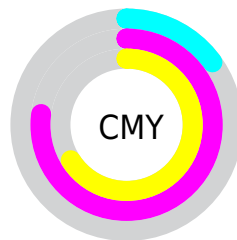


Cyan (0%)

Magenta (73%)

Yellow (60%)

Black (15%)



Cyan (15%)

Magenta (77%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 65.361, 18.653 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 50, 65.361, 18.653 by changing the saturation by 10% instead.

■ 50, 65.361, 18.653

■ 50, 65.361, 18.653

■ 100, 65.361,
18.653

■ 40, 65.361, 18.653

■ 70, 65.361, 18.653

■ 30, 65.361, 18.653

■ 80, 65.361, 18.653

■ 20, 65.361, 18.653

■ 90, 65.361, 18.653

■ 10, 65.361, 18.653

■ 0, 65.361, 18.653

■ 50, 65.361, 18.653

■ 50, 65.361, 18.653

■ 47, 72.891, 22.910

■ 53, 56.863, 15.219

■ 46, 79.376, 27.898

■ 58, 47.689, 12.503

■ 45, 83.647, 31.629

■ 62, 38.195, 10.357

68, 28.707, 8.642

73, 19.459, 7.245

79, 10.593, 6.074

85, 2.176, 4.908

91, 5.774, 184.427

97, 13.269,
183.655

Harmonies

Complementary

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



50, 65.361, 18.653



78, 46.520, 177.263

Rectangle

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



50, 65.361, 18.653



50, 65.361, 68.653



50, 65.361, 198.653



50, 65.361, 248.653

Sweetspot

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



50, 65.358, 18.655



85, 21.575, 7.186



50, 90.063, 321.897



44, 14.596, 7.539



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 65.358, 18.655



55, 86.543, 25.402



58, 60.075, 50.077



42, 4.669, 5.723



35, 69.616, 30.704



5, 22.026, 11.829

Inverse Universe

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



50, 65.358, 18.655



55, 86.543, 25.402



64, 36.816, 247.316



42, 4.669, 5.723



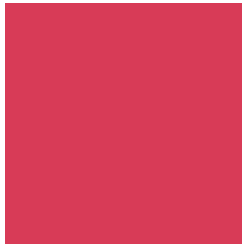
35, 69.616, 30.704



5, 22.026, 11.829

Previews

White Background



This preview shows how the CIELCh color 50, 65.361, 18.653 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 65.361, 18.653 looks on a black 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

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

CIELCh 50, 65.361, 18.653

Background



This preview shows how black text looks on a background with the CIELCh color 50, 65.361, 18.653.

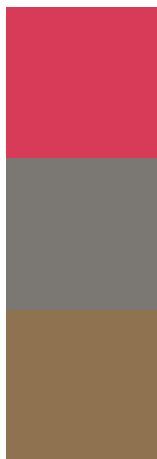


This preview shows how white text looks on a background with the CIELCh color 50, 65.361, 18.653.

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

50, 65.361, 18.653

Protanopia

50, 3.331, 80.241

Deuteranopia

50, 24.575, 74.634



Tritanopia
50, 67.767, 29.444

Trichromacy



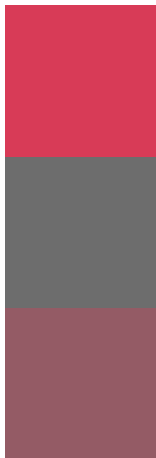
Original Color
50, 65.361, 18.653

Protanomaly
48, 26.066, 14.095

Deuteranomaly
48, 36.033, 34.707

Tritanomaly
50, 66.283, 25.567

Monochromacy



Original Color
50, 65.361, 18.653

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 25.100, 9.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 65.361, 18.653 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(216, 59, 87)` looks like.

```
.text, #text, p{  
    color:rgb(216, 59, 87)  
}
```

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(216, 59, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 59, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 65.361, 18.653 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(216, 59, 87) }
```

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

```
.border{ border-color:rgb(216, 59, 87) }
```

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

Here you see how a box with a 4 pixel rgb(216, 59, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 59, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 59, 87);  
box-shadow:4px 4px 4px 4px rgb(216, 59,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 65.361, 18.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 59, 87) }
```

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

```
.background{ background-color: rgb(216, 59,  
87) }
```

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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