

Converting Colors

CIELCh(42, 65.864, 7.836)

Have a look what the booklet for
CIELCh(42, 65.864, 7.836) contains.

CIELCh(42, 65.761, 8.012)	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(42, 65.761, 8.012)

Conversions

Conversions Part 1

Format	Color
Hex	C01657
RGB	192, 22, 87
RGB Percent	75%, 9%, 34%
CMY	0.2465, 0.9126, 0.6584
CMYK	0.00, 0.88, 0.55, 0.25
HSL	337°, 79%, 42%
HSV	337°, 88%, 75%
XYZ	23.7932, 12.5000, 10.2004
YIQ	80.2400, 80.4550, 56.2550

Conversions

Conversions Part 2

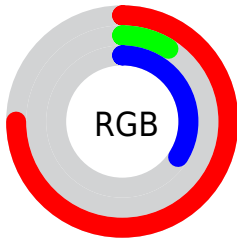
Format	Color
RYB	192, 22, 87
Decimal	12588631
CIELab	42.00, 65.12, 9.17
CIElCh	42, 65.761, 8.012
Yxy	12.5000, 0.5118, 0.2689
Android (android.graphics.Color)	4290778711 (0xFFC01657)
YUV	80.2400, 3.3327, 98.0135
Hunter-Lab	35.3553, 58.2538, 7.6429

Details

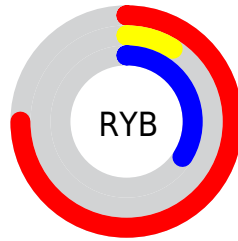
The CIELCh color **42, 65.761, 8.012** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **69, 59.034, 158.428**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.811, 8.221**, and **27, 52.593, 17.444** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.409, 12.826**, and if you desaturate by 10%, it is **44, 61.768, 4.054**.

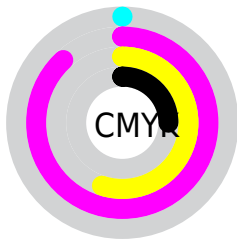
Distribution



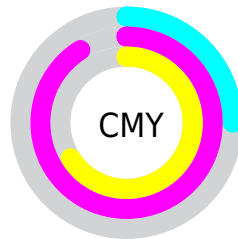
- Red (75%)
- Green (9%)
- Blue (34%)



- Red (75%)
- Yellow (9%)
- Blue (34%)



- Cyan (0%)
- Magenta (88%)
- Yellow (55%)
- Black (25%)



- Cyan (25%)
- Magenta (91%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 65.761, 8.012 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 42, 65.761, 8.012 by changing the saturation by 10% instead.

 42, 65.761, 8.012  42, 65.761, 8.012

 100, 65.761, 8.012  32, 65.761, 8.012

 62, 65.761, 8.012  22, 65.761, 8.012


 72, 65.761, 8.012  12, 65.761, 8.012

 82, 65.761, 8.012  2, 65.761, 8.012

 92, 65.761, 8.012  0, 65.761, 8.012

 42, 65.761, 8.012  42, 65.761, 8.012

 41, 68.409, 12.826  44, 61.768, 4.054

 41, 68.835, 13.606  47, 56.185, 0.923

 50, 49.232,

358.449

■ 54, 41.307,
356.466

■ 58, 32.824,
354.841

■ 63, 24.121,
353.477

■ 68, 15.442,
352.304

■ 73, 6.943, 351.256

■ 79, 1.289, 170.760

Harmonies

Complementary

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



42, 65.761, 8.012



69, 59.034, 158.428

Rectangle

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



42, 65.761, 8.012



42, 65.761, 58.012



42, 65.761, 188.012



42, 65.761, 238.012

Sweetspot

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



42, 65.758, 8.014



81, 28.357, 353.356



36, 93.717, 315.507



41, 19.164, 353.793



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 65.758, 8.014



53, 84.084, 14.558



43, 74.769, 39.713



38, 4.724, 351.355



34, 60.172, 12.818



3, 14.994, 359.180

Inverse Universe

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



42, 65.758, 8.014



53, 84.084, 14.558



65, 35.153, 215.382



38, 4.724, 351.355



34, 60.172, 12.818



3, 14.994, 359.180

Previews

White Background



This preview shows how the CIELCh color 42, 65.761, 8.012 looks on a white background.

Color Contrast Check

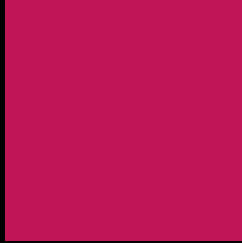
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 65.761, 8.012 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 42, 65.761, 8.012

Background



This preview shows how black text looks on a background with the CIELCh color 42, 65.761, 8.012.



This preview shows how white text looks on a background with the CIELCh color 42, 65.761, 8.012.

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

42, 65.761, 8.012

Protanopia

43, 14.534, 284.927

Deuteranopia

43, 14.246, 68.809



Tritanopia
42, 69.588, 33.178

Trichromacy



Original Color
42, 65.761, 8.012

Protanomaly
39, 32.611, 338.817

Deuteranomaly
39, 33.370, 13.077

Tritanomaly
42, 66.899, 24.659

Monochromacy



Original Color
42, 65.761, 8.012

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 30.012, 356.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 65.761, 8.012 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(192, 22, 87)` looks like.

```
.text, #text, p{  
    color:rgb(192, 22, 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(192, 22, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 22, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 65.761, 8.012 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(192, 22, 87) }
```

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

```
.border{ border-color:rgb(192, 22, 87) }
```

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

Here you see how a box with a 4 pixel rgb(192, 22, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 22, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 22, 87);  
box-shadow:4px 4px 4px 4px rgb(192, 22,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 65.761, 8.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 22, 87) }
```

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

```
.background{ background-color: rgb(192, 22,  
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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