

Converting Colors

CIELCh(50, 92.300, 34.610)

Have a look what the booklet for
CIELCh(50, 92.300, 34.610) contains.

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Color

CIELCh(50, 92.382, 34.711)

Conversions

Conversions Part 1

Format	Color
Hex	EE0621
RGB	238, 6, 33
RGB Percent	93%, 2%, 13%
CMY	0.0666, 0.9761, 0.8706
CMYK	0.00, 0.97, 0.86, 0.07
HSL	353°, 95%, 48%
HSV	353°, 97%, 93%
XYZ	35.6016, 18.4187, 3.1178
YIQ	78.4460, 129.6050, 57.5810

Conversions

Conversions Part 2

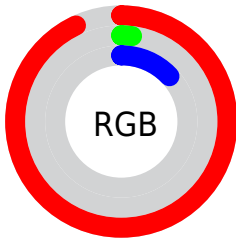
Format	Color
RYB	238, 6, 33
Decimal	15599137
CIELab	50.00, 75.94, 52.61
CIElCh	50, 92.382, 34.711
Yxy	18.4187, 0.6231, 0.3224
Android (android.graphics.Color)	4293789217 (0xFFEE0621)
YUV	78.4460, -22.4049, 139.9289
Hunter-Lab	42.9170, 72.9693, 25.7345

Details

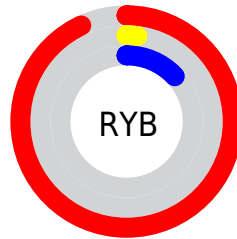
The CIELCh color **50, 92.382, 34.711** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **85, 53.002, 180.363**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 72.885, 34.061**, and **36, 77.749, 39.913** is the 20% darker color. If you saturate the color by 10%, you get **50, 94.016, 35.747**, and if you desaturate by 10%, it is **51, 85.203, 30.013**.

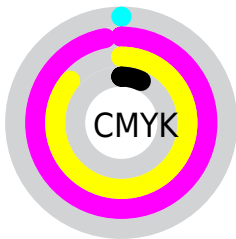
Distribution



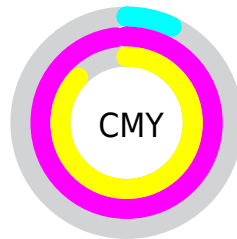
- Red (93%)
- Green (2%)
- Blue (13%)



- Red (93%)
- Yellow (2%)
- Blue (13%)



- Cyan (0%)
- Magenta (97%)
- Yellow (86%)
- Black (7%)



- Cyan (7%)
- Magenta (98%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 92.382, 34.711 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, 92.382, 34.711 by changing the saturation by 10% instead.

 50, 92.382, 34.711

 50, 92.382, 34.711

 100, 92.382,
34.711

 40, 92.382, 34.711

 70, 92.382, 34.711

 30, 92.382, 34.711

 80, 92.382, 34.711

 20, 92.382, 34.711

 90, 92.382, 34.711

 10, 92.382, 34.711

 0, 92.382, 34.711

 50, 92.382, 34.711

 50, 92.382, 34.711

 50, 94.016, 35.747

 51, 85.203, 30.013

 53, 76.698, 25.488

 56, 67.192, 21.637

■ 61, 56.974, 18.540

■ 66, 46.408, 16.104

■ 71, 35.852, 14.190

■ 77, 25.585, 12.670

■ 83, 15.780, 11.439

■ 89, 6.523, 10.389

Harmonies

Complementary

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



50, 92.382, 34.711



85, 53.002, 180.363

Rectangle

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



50, 92.382, 34.711



50, 92.382, 84.711



50, 92.382, 214.711



50, 92.382, 264.711

Sweetspot

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



50, 92.379, 34.713



81, 28.727, 12.901



52, 110.098, 323.737



40, 19.943, 13.533



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, 92.379, 34.713



53, 99.254, 35.918



58, 84.575, 51.956



47, 5.041, 10.597



38, 76.705, 34.964



8, 29.284, 19.092

Inverse Universe

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



50, 92.379, 34.713



53, 99.254, 35.918



60, 53.620, 269.591



47, 5.041, 10.597



38, 76.705, 34.964



8, 29.284, 19.092

Previews

White Background



This preview shows how the CIELCh color 50, 92.382, 34.711 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, 92.382, 34.711 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, 92.382, 34.711

Background



This preview shows how black text looks on a background with the CIELCh color 50, 92.382, 34.711.



This preview shows how white text looks on a background with the CIELCh color 50, 92.382, 34.711.

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, 92.382, 34.711

Protanopia

50, 37.194, 95.086

Tritanopia

50, 97.669, 40.804

Trichromacy



Original Color
50, 92.382, 34.711

Protanomaly
45, 51.156, 45.437

Tritanomaly
50, 96.097, 39.087

Monochromacy



Original Color
50, 92.382, 34.711

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 38.865, 18.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 92.382, 34.711 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(238, 6, 33)` looks like.

```
.text, #text, p{  
    color:rgb(238, 6, 33)  
}
```

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(238, 6, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 6, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 92.382, 34.711 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(238, 6, 33) }
```

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

```
.border{ border-color:rgb(238, 6, 33) }
```

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

Here you see how a box with a 4 pixel rgb(238, 6, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 6, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 6, 33);  
box-shadow:4px 4px 4px 4px rgb(238, 6, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 92.382, 34.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 6, 33) }
```

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

```
.background{ background-color: rgb(238, 6,  
33) }
```

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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