

Converting Colors

CIELCh(53, 68.363, 29.977)

Have a look what the booklet for
CIELCh(53, 68.363, 29.977) contains.

CIELCh(53, 68.167, 29.915)	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(53, 68.167, 29.915)

Conversions

Conversions Part 1

Format	Color
Hex	E14848
RGB	225, 72, 72
RGB Percent	88%, 28%, 28%
CMY	0.1185, 0.7184, 0.7183
CMYK	0.00, 0.68, 0.68, 0.12
HSL	360°, 72%, 58%
HSV	360°, 68%, 88%
XYZ	34.4510, 21.0462, 8.3495
YIQ	117.7470, 91.1880, 32.4360

Conversions

Conversions Part 2

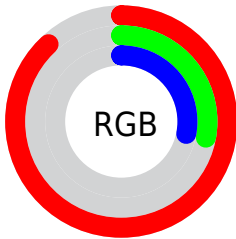
Format	Color
R_{YB}	225, 72, 72
Decimal	14764104
CIE Lab	53.00, 59.08, 34.00
CIE LCh	53, 68.167, 29.915
Yxy	21.0462, 0.5396, 0.3296
Android (android.graphics.Color)	4292954184 (0xFFE14848)
YUV	117.7470, -22.5533, 94.0609
Hunter-Lab	45.8761, 53.7627, 21.3224

Details

The CIELCh color **53, 68.167, 29.915** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **82, 40.572, 196.678**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.139, 29.511**, and **33, 67.026, 30.847** is the 20% darker color. If you saturate the color by 10%, you get **50, 78.656, 33.350**, and if you desaturate by 10%, it is **57, 57.162, 27.037**.

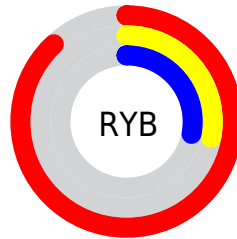
Distribution



Red (88%)

Green (28%)

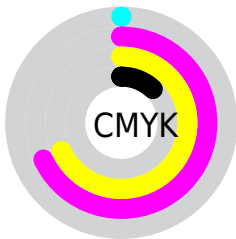
Blue (28%)



Red (88%)

Yellow (28%)

Blue (28%)

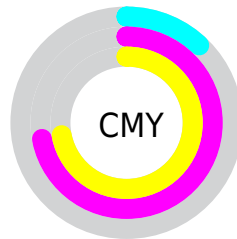


Cyan (0%)

Magenta (68%)

Yellow (68%)

Black (12%)



Cyan (12%)

Magenta (72%)

Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 68.167, 29.915 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 53, 68.167, 29.915 by changing the saturation by 10% instead.

 53, 68.167, 29.915

 53, 68.167, 29.915

 100, 68.167,
29.915

 43, 68.167, 29.915

 73, 68.167, 29.915

 33, 68.167, 29.915

 83, 68.167, 29.915

 23, 68.167, 29.915

 93, 68.167, 29.915

 13, 68.167, 29.915


 3, 68.167, 29.915

 0, 68.167, 29.915

 53, 68.167, 29.915

 53, 68.167, 29.915

 50, 78.656, 33.350

 57, 57.162, 27.037

 48, 87.804, 36.898

 62, 46.121, 24.762

47, 94.000, 39.532

67, 35.376, 23.012

47, 95.058, 39.993

72, 25.154, 21.673

78, 15.575, 20.641

84, 6.679, 19.806

91, 1.549, 199.676

97, 9.154, 198.875

98, 10.245,
198.823

Harmonies

Complementary

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



53, 68.167, 29.915



82, 40.572, 196.678

Rectangle

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



53, 68.167, 29.915



53, 68.167, 79.915



53, 68.167, 209.915



53, 68.167, 259.915

Sweetspot

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



53, 68.164, 29.918



86, 19.269, 20.836



58, 89.542, 327.186



44, 13.292, 21.116



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 68.164, 29.918



55, 91.341, 34.989



67, 55.491, 65.152



44, 4.728, 19.917



36, 79.104, 39.944



6, 25.540, 20.930

Inverse Universe

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



53, 68.164, 29.918



55, 91.341, 34.989



61, 44.609, 269.034



44, 4.728, 19.917



36, 79.104, 39.944



6, 25.540, 20.930

Previews

White Background



This preview shows how the CIELCh color 53, 68.167, 29.915 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 53, 68.167, 29.915 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 53, 68.167, 29.915

Background



This preview shows how black text looks on a background with the CIELCh color 53, 68.167, 29.915.



This preview shows how white text looks on a background with the CIELCh color 53, 68.167, 29.915.

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

53, 68.167, 29.915

Protanopia

53, 20.524, 95.242

Deuteranopia

53, 37.171, 79.590



Tritanopia
53, 67.739, 28.333

Trichromacy



Original Color
53, 68.167, 29.915

Protanomaly
51, 31.740, 45.428

Deuteranomaly
52, 44.083, 50.756

Tritanomaly
53, 67.961, 28.770

Monochromacy



Original Color
53, 68.167, 29.915

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 24.478, 22.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 68.167, 29.915 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(225, 72, 72)` looks like.

```
.text, #text, p{  
    color:rgb(225, 72, 72)  
}
```

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(225, 72, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 72, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 68.167, 29.915 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(225, 72, 72) }
```

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

```
.border{ border-color:rgb(225, 72, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 72, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 72, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 72, 72);  
box-shadow:4px 4px 4px 4px rgb(225, 72,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 68.167, 29.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 72, 72) }
```

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

```
.background{ background-color: rgb(225, 72,  
72) }
```

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