

Converting Colors

CIELCh(50, 76.728, 29.462)

Have a look what the booklet for
CIELCh(50, 76.728, 29.462) contains.

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Color

CIELCh(50, 76.699, 29.504)

Conversions

Conversions Part 1

Format	Color
Hex	E12F3B
RGB	225, 47, 59
RGB Percent	88%, 18%, 23%
CMY	0.1167, 0.8146, 0.7680
CMYK	0.00, 0.79, 0.74, 0.12
HSL	356°, 75%, 53%
HSV	356°, 79%, 88%
XYZ	32.9476, 18.4187, 5.9794
YIQ	101.5900, 102.2360, 41.4680

Conversions

Conversions Part 2

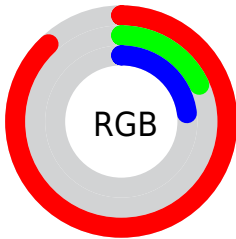
Format	Color
R _Y B	225, 47, 59
Decimal	14757691
CIE Lab	50.00, 66.75, 37.77
CIE LCh	50, 76.699, 29.504
Yxy	18.4187, 0.5745, 0.3212
Android (android.graphics.Color)	4292947771 (0xFFE12F3B)
YUV	101.5900, -20.9969, 108.2306
Hunter-Lab	42.9170, 61.9308, 21.7814

Details

The CIELCh color **50, 76.699, 29.504** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **82, 45.396, 188.282**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 62.478, 28.262**, and **33, 69.676, 35.056** is the 20% darker color. If you saturate the color by 10%, you get **48, 85.270, 33.751**, and if you desaturate by 10%, it is **53, 67.069, 25.699**.

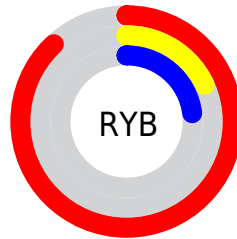
Distribution



Red (88%)

Green (18%)

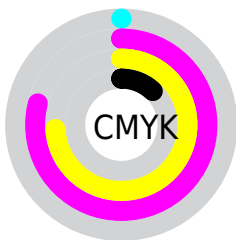
Blue (23%)



Red (88%)

Yellow (18%)

Blue (23%)

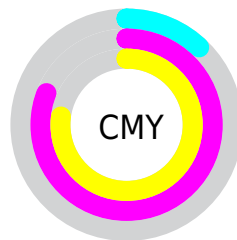


Cyan (0%)

Magenta (79%)

Yellow (74%)

Black (12%)



Cyan (12%)

Magenta (81%)

Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 76.699, 29.504 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, 76.699, 29.504 by changing the saturation by 10% instead.

 50, 76.699, 29.504

 50, 76.699, 29.504

 100, 76.699,
29.504

 40, 76.699, 29.504

 70, 76.699, 29.504

 30, 76.699, 29.504

 80, 76.699, 29.504

 20, 76.699, 29.504

 90, 76.699, 29.504

 10, 76.699, 29.504

 0, 76.699, 29.504

 50, 76.699, 29.504

 50, 76.699, 29.504

 48, 85.270, 33.751

 53, 67.069, 25.699

 47, 91.979, 37.574

 57, 56.832, 22.575

 47, 92.526, 37.849

 61, 46.357, 20.109

67, 35.980, 18.185

72, 25.959, 16.679

78, 16.450, 15.483

84, 7.527, 14.493

90, 0.800, 194.544

97, 8.554, 193.236

Harmonies

Complementary

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



50, 76.699, 29.504



82, 45.396, 188.282

Rectangle

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



50, 76.699, 29.504



50, 76.699, 79.504



50, 76.699, 209.504



50, 76.699, 259.504

Sweetspot

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



50, 76.696, 29.506



84, 23.379, 16.068



53, 97.941, 325.176



42, 16.253, 16.515



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, 76.696, 29.506



54, 98.831, 36.455



62, 66.009, 57.753



44, 4.739, 14.534



36, 76.350, 37.243



6, 25.397, 18.130

Inverse Universe

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



50, 76.696, 29.506



54, 98.831, 36.455



60, 45.984, 265.189



44, 4.739, 14.534



36, 76.350, 37.243



6, 25.397, 18.130

Previews

White Background



This preview shows how the CIELCh color 50, 76.699, 29.504 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 50, 76.699, 29.504 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, 76.699, 29.504

Background



This preview shows how black text looks on a background with the CIELCh color 50, 76.699, 29.504.



This preview shows how white text looks on a background with the CIELCh color 50, 76.699, 29.504.

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, 76.699, 29.504

Protanopia

50, 21.746, 96.653

Deuteranopia

50, 41.293, 80.990



Tritanopia
50, 78.630, 33.086

Trichromacy



Original Color
50, 76.699, 29.504

Protanomaly
47, 35.567, 41.961

Deuteranomaly
48, 49.500, 49.115

Tritanomaly
50, 78.023, 31.872

Monochromacy



Original Color
50, 76.699, 29.504

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 29.143, 19.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 76.699, 29.504 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, 47, 59)` looks like.

```
.text, #text, p{  
    color:rgb(225, 47, 59)  
}
```

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, 47, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 47, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 76.699, 29.504 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, 47, 59) }
```

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

```
.border{ border-color:rgb(225, 47, 59) }
```

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

Here you see how a box with a 4 pixel rgb(225, 47, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 47, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 47, 59);  
box-shadow:4px 4px 4px 4px rgb(225, 47,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 76.699, 29.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 47, 59) }
```

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

```
.background{ background-color: rgb(225, 47,  
59) }
```

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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