

Converting Colors

CIELCh(54, 80.396, 52.226)

Have a look what the booklet for
CIELCh(54, 80.396, 52.226) contains.

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Color

CIELCh(54, 80.397, 52.293)

Conversions

Conversions Part 1

Format	Color
Hex	DC5701
RGB	220, 87, 1
RGB Percent	86%, 34%, 0%
CMY	0.1381, 0.6595, 0.9970
CMYK	0.00, 0.60, 1.00, 0.14
HSL	24°, 99%, 43%
HSV	24°, 100%, 86%
XYZ	32.8524, 21.9746, 2.5317
YIQ	116.9630, 106.8740, 1.4500

Conversions

Conversions Part 2

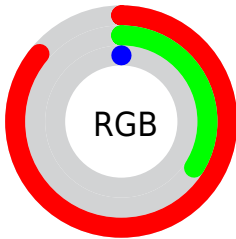
Format	Color
RYB	220, 143, 1
Decimal	14440193
CIELab	54.00, 49.17, 63.61
CIElCh	54, 80.397, 52.293
Yxy	21.9746, 0.5728, 0.3831
Android (android.graphics.Color)	4292630273 (0xFFDC5701)
YUV	116.9630, -57.1698, 90.3634
Hunter-Lab	46.8770, 43.0616, 29.6119

Details

The CIELCh color **54, 80.397, 52.293** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **54, 52.246, 271.828**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 69.165, 57.023**, and **34, 68.386, 43.702** is the 20% darker color. If you saturate the color by 10%, you get **54, 80.612, 52.234**, and if you desaturate by 10%, it is **56, 74.036, 54.352**.

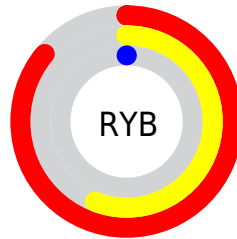
Distribution



Red (86%)

Green (34%)

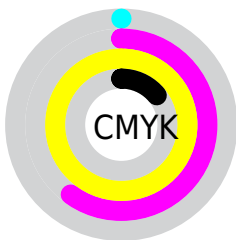
Blue (0%)



Red (86%)

Yellow (56%)

Blue (0%)

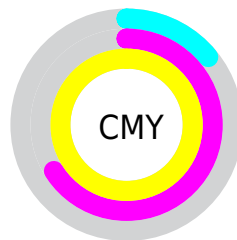


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 80.397, 52.293 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 54, 80.397, 52.293 by changing the saturation by 10% instead.

■ 54, 80.397, 52.293

■ 54, 80.397, 52.293

■ 100, 80.397,
52.293

■ 44, 80.397, 52.293

■ 74, 80.397, 52.293

■ 34, 80.397, 52.293

■ 84, 80.397, 52.293

■ 24, 80.397, 52.293

■ 94, 80.397, 52.293

■ 14, 80.397, 52.293

■ 4, 80.397, 52.293

■ 0, 80.397, 52.293

■ 54, 80.397, 52.293

■ 54, 80.397, 52.293

■ 54, 80.612, 52.234

■ 56, 74.036, 54.352

■ 59, 65.765, 55.734

62, 56.515, 56.696

66, 47.136, 57.527

69, 38.041, 58.352

73, 29.399, 59.215

76, 21.266, 60.124

80, 13.639, 61.067

84, 6.487, 62.011

Harmonies

Complementary

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



54, 80.397, 52.293



54, 52.246, 271.828

Rectangle

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



54, 80.397, 52.293



54, 80.397, 102.293



54, 80.397, 232.293



54, 80.397, 282.293

Sweetspot

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



54, 80.394, 52.295



87, 24.317, 60.069



48, 78.543, 351.747



45, 16.827, 59.678



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 80.394, 52.295



62, 90.437, 51.910



78, 79.768, 94.654



44, 3.805, 62.032



43, 67.182, 52.860



9, 18.755, 47.800

Inverse Universe

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



54, 52.246, 271.828



62, 59.013, 272.454



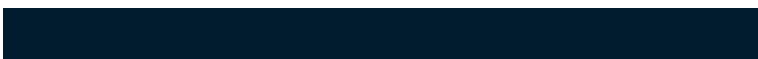
29, 113.284, 304.785



44, 3.661, 244.156



43, 43.351, 271.110



9, 15.326, 260.435

Previews

White Background



This preview shows how the CIELCh color 54, 80.397, 52.293 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 54, 80.397, 52.293 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 54, 80.397, 52.293

Background



This preview shows how black text looks on a background with the CIELCh color 54, 80.397, 52.293.



This preview shows how white text looks on a background with the CIELCh color 54, 80.397, 52.293.

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

54, 80.397, 52.293

Protanopia

54, 54.858, 95.386

Deuteranopia

54, 60.295, 83.616



Tritanopia
54, 61.558, 26.103

Trichromacy



Original Color
54, 80.397, 52.293

Protanomaly
53, 59.109, 74.195

Deuteranomaly
53, 64.826, 69.204

Tritanomaly
54, 68.524, 40.038

Monochromacy



Original Color
54, 80.397, 52.293

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 29.452, 58.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 80.397, 52.293 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(220, 87, 1)` looks like.

```
.text, #text, p{  
    color:rgb(220, 87, 1)  
}
```

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(220, 87, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 87, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 80.397, 52.293 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(220, 87, 1) }
```

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

```
.border{ border-color:rgb(220, 87, 1) }
```

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

Here you see how a box with a 4 pixel rgb(220, 87, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 87, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 87, 1);  
box-shadow:4px 4px 4px 4px rgb(220, 87, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 80.397, 52.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 87, 1) }
```

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

```
.background{ background-color: rgb(220, 87,  
1) }
```

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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