

Converting Colors

CIELCh(53, 72.367, 53.030)

Have a look what the booklet for
CIELCh(53, 72.367, 53.030) contains.

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Color

CIELCh(53, 72.442, 53.178)

Conversions

Conversions Part 1

Format	Color
Hex	D15B13
RGB	209, 91, 19
RGB Percent	82%, 36%, 7%
CMY	0.1809, 0.6435, 0.9260
CMYK	0.00, 0.56, 0.91, 0.18
HSL	23°, 83%, 45%
HSV	23°, 91%, 82%
XYZ	30.1054, 21.0462, 3.0856
YIQ	118.0740, 93.4400, 2.6240

Conversions

Conversions Part 2

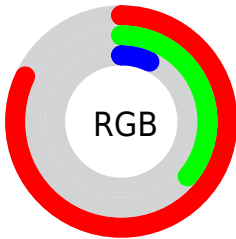
Format	Color
RYB	209, 135, 19
Decimal	13720339
CIELab	53.00, 43.42, 57.99
CIElCh	53, 72.442, 53.178
Yxy	21.0462, 0.5551, 0.3880
Android (android.graphics.Color)	4291910419 (0xFFD15B13)
YUV	118.0740, -48.8435, 79.7421
Hunter-Lab	45.8761, 36.8542, 28.1255

Details

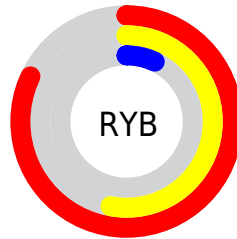
The CIELCh color **53, 72.442, 53.178** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **55, 45.468, 265.290**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.707, 56.241**, and **33, 63.326, 46.345** is the 20% darker color. If you saturate the color by 10%, you get **51, 78.100, 51.479**, and if you desaturate by 10%, it is **56, 64.526, 54.509**.

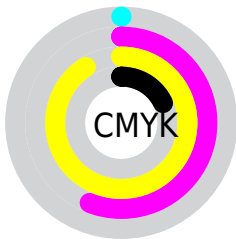
Distribution



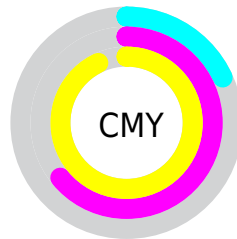
- Red (82%)
- Green (36%)
- Blue (7%)



- Red (82%)
- Yellow (53%)
- Blue (7%)



- Cyan (0%)
- Magenta (56%)
- Yellow (91%)
- Black (18%)



- Cyan (18%)
- Magenta (64%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 72.442, 53.178 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, 72.442, 53.178 by changing the saturation by 10% instead.

■ 53, 72.442, 53.178

■ 53, 72.442, 53.178

■ 100, 72.442,
53.178

■ 43, 72.442, 53.178

■ 73, 72.442, 53.178

■ 33, 72.442, 53.178

■ 83, 72.442, 53.178

■ 23, 72.442, 53.178

■ 93, 72.442, 53.178

■ 13, 72.442, 53.178

■ 3, 72.442, 53.178

■ 0, 72.442, 53.178

■ 53, 72.442, 53.178

■ 53, 72.442, 53.178

■ 51, 78.100, 51.479

■ 56, 64.526, 54.509

■ 59, 55.583, 55.385

62, 46.484, 56.121

65, 37.650, 56.855

69, 29.261, 57.636

72, 21.375, 58.472

76, 13.990, 59.352

80, 7.078, 60.247

83, 0.600, 60.473

Harmonies

Complementary

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



53, 72.442, 53.178



55, 45.468, 265.290

Rectangle

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



53, 72.442, 53.178



53, 72.442, 103.178



53, 72.442, 233.178



53, 72.442, 283.178

Sweetspot

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



53, 72.440, 53.180



88, 21.641, 58.789



47, 75.727, 348.048



45, 14.755, 58.489



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, 72.440, 53.180



61, 91.147, 51.040



75, 74.372, 94.252



42, 3.647, 60.382



41, 66.163, 52.062



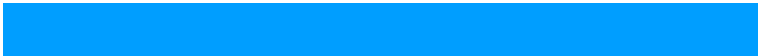
7, 16.206, 44.474

Inverse Universe

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



55, 45.468, 265.290



63, 57.361, 270.457



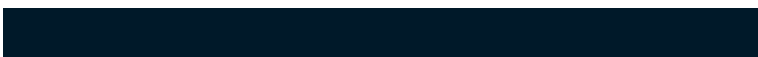
31, 99.858, 302.626



42, 3.503, 242.419



43, 41.187, 268.973



8, 13.763, 257.325

Previews

White Background



This preview shows how the CIELCh color 53, 72.442, 53.178 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, 72.442, 53.178 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, 72.442, 53.178

Background



This preview shows how black text looks on a background with the CIELCh color 53, 72.442, 53.178.



This preview shows how white text looks on a background with the CIELCh color 53, 72.442, 53.178.

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, 72.442, 53.178

Protanopia

53, 51.564, 95.159

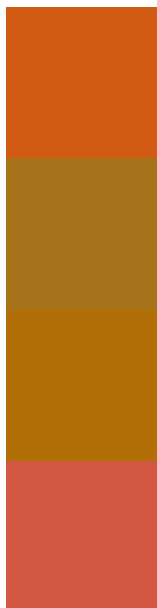
Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 55.116, 24.656

Trichromacy



Original Color
53, 72.442, 53.178

Protanomaly
52, 54.673, 75.553

Deuteranomaly
53, 61.804, 70.661

Tritanomaly
53, 60.325, 38.548

Monochromacy



Original Color
53, 72.442, 53.178

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 25.375, 57.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 72.442, 53.178 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(209, 91, 19)` looks like.

```
.text, #text, p{  
    color:rgb(209, 91, 19)  
}
```

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(209, 91, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 91, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 72.442, 53.178 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(209, 91, 19) }
```

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

```
.border{ border-color:rgb(209, 91, 19) }
```

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

Here you see how a box with a 4 pixel rgb(209, 91, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 91, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 91, 19);  
box-shadow:4px 4px 4px 4px rgb(209, 91,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 72.442, 53.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 91, 19) }
```

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

```
.background{ background-color: rgb(209, 91,  
19) }
```

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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