

Converting Colors

CIELCh(53, 72.945, 49.632)

Have a look what the booklet for
CIELCh(53, 72.945, 49.632) contains.

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Color

CIELCh(53, 72.771, 49.817)

Conversions

Conversions Part 1

Format	Color
Hex	D5571B
RGB	213, 87, 27
RGB Percent	84%, 34%, 11%
CMY	0.1646, 0.6587, 0.8941
CMYK	0.00, 0.59, 0.87, 0.16
HSL	19°, 77%, 47%
HSV	19°, 87%, 84%
XYZ	31.0525, 21.0462, 3.4634
YIQ	117.8340, 94.3560, 8.0520

Conversions

Conversions Part 2

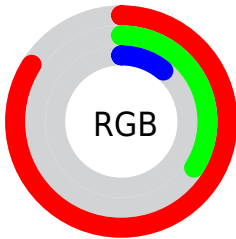
Format	Color
R _Y B	213, 116, 27
Decimal	13981467
CIE Lab	53.00, 46.95, 55.60
CIE LCh	53, 72.771, 49.817
Yxy	21.0462, 0.5589, 0.3788
Android (android.graphics.Color)	4292171547 (0xFFD5571B)
YUV	117.8340, -44.7812, 83.4606
Hunter-Lab	45.8761, 40.5393, 27.6371

Details

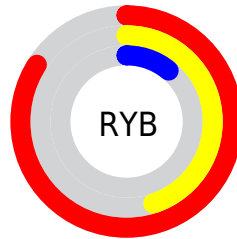
The CIELCh color **53, 72.771, 49.817** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **60, 41.110, 254.455**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 64.255, 53.432**, and **33, 66.270, 44.163** is the 20% darker color. If you saturate the color by 10%, you get **51, 80.026, 48.530**, and if you desaturate by 10%, it is **56, 63.703, 50.395**.

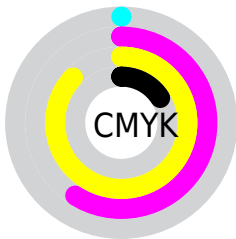
Distribution



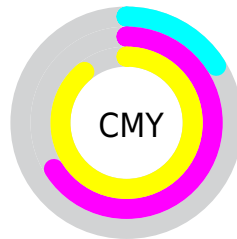
- Red (84%)
- Green (34%)
- Blue (11%)



- Red (84%)
- Yellow (45%)
- Blue (11%)



- Cyan (0%)
- Magenta (59%)
- Yellow (87%)
- Black (16%)



- Cyan (16%)
- Magenta (66%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 72.771, 49.817 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, 72.771, 49.817 by changing the saturation by 10% instead.

■ 53, 72.771, 49.817

■ 53, 72.771, 49.817

■ 100, 72.771,
49.817

■ 43, 72.771, 49.817

■ 73, 72.771, 49.817

■ 33, 72.771, 49.817

■ 83, 72.771, 49.817

■ 23, 72.771, 49.817

■ 93, 72.771, 49.817

■ 13, 72.771, 49.817

■ 3, 72.771, 49.817

■ 0, 72.771, 49.817

■ 53, 72.771, 49.817

■ 53, 72.771, 49.817

■ 51, 80.026, 48.530

■ 56, 63.703, 50.395

■ 50, 81.829, 48.229

■ 59, 54.060, 50.706

62, 44.542, 51.003

66, 35.460, 51.379

70, 26.930, 51.855

74, 18.980, 52.423

78, 11.590, 53.061

82, 4.720, 53.709

86, 1.678, 234.880

Harmonies

Complementary

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



53, 72.771, 49.817



60, 41.110, 254.455

Rectangle

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



53, 72.771, 49.817



53, 72.771, 99.817



53, 72.771, 229.817



53, 72.771, 279.817

Sweetspot

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



53, 72.769, 49.819



88, 20.821, 52.487



49, 78.478, 343.838



45, 14.302, 52.276



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, 72.769, 49.819



59, 94.083, 47.875



74, 72.194, 90.903



43, 3.706, 53.580



40, 69.038, 48.761



8, 18.095, 39.780

Inverse Universe

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



60, 41.110, 254.455



67, 51.415, 261.327



35, 92.175, 299.981



43, 3.533, 235.248



46, 37.540, 259.889



10, 13.483, 248.756

Previews

White Background



This preview shows how the CIELCh color 53, 72.771, 49.817 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, 72.771, 49.817 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, 72.771, 49.817

Background



This preview shows how black text looks on a background with the CIELCh color 53, 72.771, 49.817.



This preview shows how white text looks on a background with the CIELCh color 53, 72.771, 49.817.

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, 72.771, 49.817

Protanopia

53, 48.611, 95.046

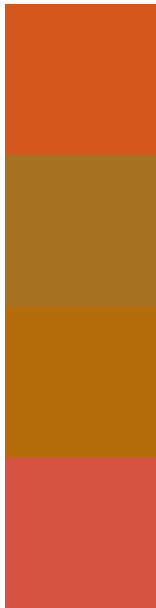
Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 58.704, 25.584

Trichromacy



Original Color
53, 72.771, 49.817

Protanomaly
52, 52.146, 72.722

Deuteranomaly
53, 61.904, 69.237

Tritanomaly
53, 62.690, 36.371

Monochromacy



Original Color
53, 72.771, 49.817

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 25.060, 51.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 72.771, 49.817 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(213, 87, 27)` looks like.

```
.text, #text, p{  
    color:rgb(213, 87, 27)  
}
```

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(213, 87, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 87, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 72.771, 49.817 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(213, 87, 27) }
```

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

```
.border{ border-color:rgb(213, 87, 27) }
```

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

Here you see how a box with a 4 pixel rgb(213, 87, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 87, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 87, 27);  
box-shadow:4px 4px 4px 4px rgb(213, 87,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 72.771, 49.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 87, 27) }
```

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

```
.background{ background-color: rgb(213, 87,  
27) }
```

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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