

Converting Colors

CIELCh(52, 78.240, 52.611)

Have a look what the booklet for
CIELCh(52, 78.240, 52.611) contains.

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Color

CIELCh(52, 77.891, 52.664)

Conversions

Conversions Part 1

Format	Color
Hex	D35400
RGB	211, 84, 0
RGB Percent	83%, 33%, 0%
CMY	0.1732, 0.6711, 1.0000
CMYK	0.00, 0.60, 1.00, 0.17
HSL	24°, 100%, 41%
HSV	24°, 100%, 83%
XYZ	29.9765, 20.1443, 2.3030
YIQ	112.3970, 102.6560, 0.8000

Conversions

Conversions Part 2

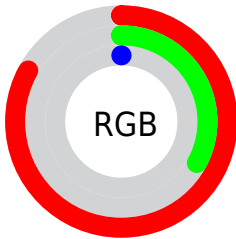
Format	Color
RYB	211, 140, 0
Decimal	13849600
CIELab	52.00, 47.24, 61.93
CIELCh	52, 77.891, 52.664
Yxy	20.1443, 0.5718, 0.3843
Android (android.graphics.Color)	4292039680 (0xFFD35400)
YUV	112.3970, -55.4117, 86.4748
Hunter-Lab	44.8824, 40.6739, 28.3754

Details

The CIELCh color **52, 77.891, 52.664** 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 **52, 51.182, 272.528**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 70.278, 55.715**, and **32, 65.627, 43.590** is the 20% darker color. If you saturate the color by 10%, you get **52, 77.857, 52.647**, and if you desaturate by 10%, it is **54, 71.685, 54.684**.

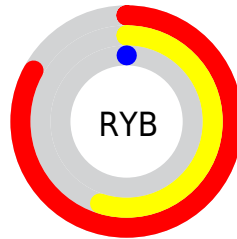
Distribution



Red (83%)

Green (33%)

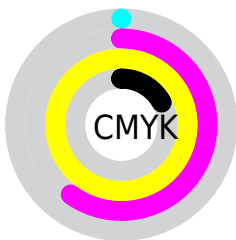
Blue (0%)



Red (83%)

Yellow (55%)

Blue (0%)

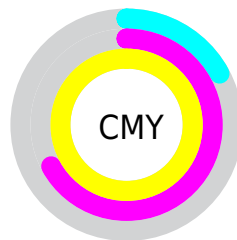


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 77.891, 52.664 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 52, 77.891, 52.664 by changing the saturation by 10% instead.

■ 52, 77.891, 52.664

■ 52, 77.891, 52.664

■ 100, 77.891,
52.664

■ 42, 77.891, 52.664

■ 72, 77.891, 52.664

■ 32, 77.891, 52.664

■ 82, 77.891, 52.664

■ 22, 77.891, 52.664

■ 92, 77.891, 52.664

■ 12, 77.891, 52.664

■ 2, 77.891, 52.664

■ 0, 77.891, 52.664

■ 52, 77.891, 52.664

■ 52, 77.891, 52.664

■ 52, 77.857, 52.647

■ 54, 71.685, 54.684

■ 57, 63.760, 56.110

60, 54.866, 57.111

63, 45.828, 57.973

66, 37.048, 58.823

70, 28.696, 59.708

73, 20.828, 60.635

77, 13.442, 61.593

81, 6.510, 62.553

Harmonies

Complementary

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



52, 77.891, 52.664



52, 51.182, 272.528

Rectangle

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



52, 77.891, 52.664



52, 77.891, 102.664



52, 77.891, 232.664



52, 77.891, 282.664

Sweetspot

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



52, 77.857, 52.647



87, 24.329, 60.604



46, 76.176, 351.761



45, 16.832, 60.204



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 77.857, 52.647



62, 90.193, 52.221



75, 77.382, 94.646



42, 3.662, 62.608



42, 65.497, 53.266



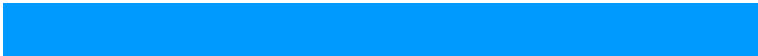
8, 16.076, 46.443

Inverse Universe

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



52, 51.182, 272.528



62, 59.603, 273.126



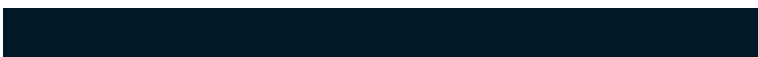
28, 109.871, 304.791



42, 3.528, 244.747



42, 42.737, 271.662



8, 14.099, 260.121

Previews

White Background



This preview shows how the CIELCh color 52, 77.891, 52.664 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 52, 77.891, 52.664 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 52, 77.891, 52.664

Background



This preview shows how black text looks on a background with the CIELCh color 52, 77.891, 52.664.



This preview shows how white text looks on a background with the CIELCh color 52, 77.891, 52.664.

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

52, 77.891, 52.664

Protanopia

52, 53.225, 95.613

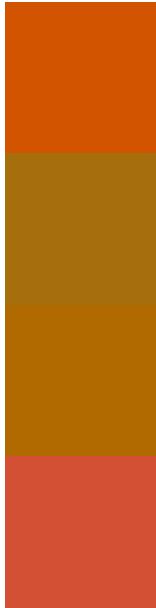
Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 59.336, 25.905

Trichromacy



Original Color
52, 77.891, 52.664

Protanomaly
51, 57.345, 74.663

Deuteranomaly
51, 62.965, 69.403

Tritanomaly
52, 66.063, 40.062

Monochromacy



Original Color
52, 77.891, 52.664

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 28.949, 59.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 77.891, 52.664 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(211, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 84, 0)  
}
```

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(211, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 84, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 77.891, 52.664 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(211, 84, 0) }
```

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

```
.border{ border-color:rgb(211, 84, 0) }
```

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

Here you see how a box with a 4 pixel rgb(211, 84, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 77.891, 52.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 84, 0) }
```

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

```
.background{ background-color: rgb(211, 84,  
0) }
```

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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