

Converting Colors

CIELCh(55, 76.857, 52.555)

Have a look what the booklet for
CIELCh(55, 76.857, 52.555) contains.

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Color

CIELCh(55, 77.008, 52.361)

Conversions

Conversions Part 1

Format	Color
Hex	DC5C10
RGB	220, 92, 16
RGB Percent	86%, 36%, 6%
CMY	0.1370, 0.6389, 0.9369
CMYK	0.00, 0.58, 0.93, 0.14
HSL	22°, 86%, 46%
HSV	22°, 93%, 86%
XYZ	33.4643, 22.9298, 3.1556
YIQ	121.6080, 100.6840, 3.5000

Conversions

Conversions Part 2

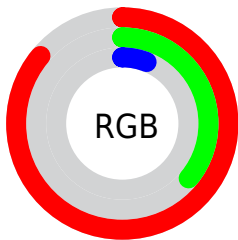
Format	Color
R _Y B	220, 137, 16
Decimal	14441488
CIE Lab	55.00, 47.03, 60.98
CIE LCh	55, 77.008, 52.361
Yxy	22.9298, 0.5620, 0.3851
Android (android.graphics.Color)	4292631568 (0xFFDC5C10)
YUV	121.6080, -52.0647, 86.2898
Hunter-Lab	47.8851, 40.9449, 29.6124

Details

The CIELCh color **55, 77.008, 52.361** 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 **57, 47.510, 265.307**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.882, 57.451**, and **35, 67.445, 45.282** is the 20% darker color. If you saturate the color by 10%, you get **53, 81.618, 50.950**, and if you desaturate by 10%, it is **58, 69.052, 53.787**.

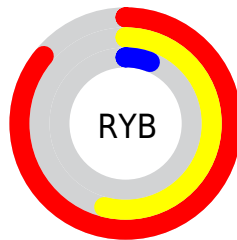
Distribution



Red (86%)

Green (36%)

Blue (6%)



Red (86%)

Yellow (54%)

Blue (6%)

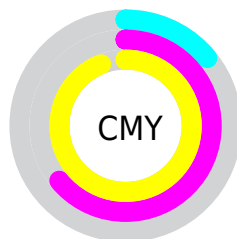


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (14%)



Cyan (14%)

Magenta (64%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 77.008, 52.361 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 55, 77.008, 52.361 by changing the saturation by 10% instead.

■ 55, 77.008, 52.361

■ 55, 77.008, 52.361

■ 100, 77.008,
52.361

■ 45, 77.008, 52.361

■ 75, 77.008, 52.361

■ 35, 77.008, 52.361

■ 85, 77.008, 52.361

■ 25, 77.008, 52.361

■ 95, 77.008, 52.361

■ 15, 77.008, 52.361

■ 5, 77.008, 52.361

■ 0, 77.008, 52.361

■ 55, 77.008, 52.361

■ 55, 77.008, 52.361

■ 53, 81.618, 50.950

■ 58, 69.052, 53.787

■ 61, 59.782, 54.667

64, 50.227, 55.367

67, 40.903, 56.054

71, 32.031, 56.790

75, 23.689, 57.585

79, 15.884, 58.433

83, 8.587, 59.306

87, 1.758, 60.008

Harmonies

Complementary

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



55, 77.008, 52.361



57, 47.510, 265.307

Rectangle

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



55, 77.008, 52.361



55, 77.008, 102.361



55, 77.008, 232.361



55, 77.008, 282.361

Sweetspot

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



55, 77.005, 52.363



87, 22.514, 57.958



49, 78.981, 348.536



45, 15.780, 57.594



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 77.005, 52.363



61, 91.488, 50.638



78, 77.855, 94.047



44, 3.789, 59.585



42, 67.938, 51.563



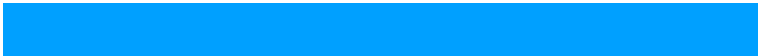
9, 18.922, 45.667

Inverse Universe

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



57, 47.510, 265.307



64, 56.597, 269.471



32, 105.894, 303.084



44, 3.635, 241.594



44, 41.635, 268.108



10, 14.895, 257.406

Previews

White Background



This preview shows how the CIELCh color 55, 77.008, 52.361 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 55, 77.008, 52.361 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 55, 77.008, 52.361

Background



This preview shows how black text looks on a background with the CIELCh color 55, 77.008, 52.361.



This preview shows how white text looks on a background with the CIELCh color 55, 77.008, 52.361.

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

55, 77.008, 52.361

Protanopia

55, 54.186, 95.522

Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 59.154, 25.349

Trichromacy



Original Color
55, 77.008, 52.361

Protanomaly
54, 57.304, 74.852

Deuteranomaly
54, 64.218, 69.664

Tritanomaly
55, 64.725, 38.517

Monochromacy



Original Color
55, 77.008, 52.361

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 27.541, 56.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 77.008, 52.361 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, 92, 16)` looks like.

```
.text, #text, p{  
    color:rgb(220, 92, 16)  
}
```

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, 92, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 92, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 77.008, 52.361 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, 92, 16) }
```

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

```
.border{ border-color:rgb(220, 92, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 92, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 92, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 92, 16);  
box-shadow:4px 4px 4px 4px rgb(220, 92,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 77.008, 52.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 92, 16) }
```

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

```
.background{ background-color: rgb(220, 92,  
16) }
```

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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