

Converting Colors

CIELCh(53, 88.711, 46.196)

Have a look what the booklet for
CIELCh(53, 88.711, 46.196) contains.

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Color

CIELCh(53, 88.708, 46.220)

Conversions

Conversions Part 1

Format	Color
Hex	E84302
RGB	232, 67, 2
RGB Percent	91%, 26%, 1%
CMY	0.0920, 0.7389, 0.9941
CMYK	0.00, 0.71, 0.99, 0.09
HSL	17°, 99%, 46%
HSV	17°, 99%, 91%
XYZ	35.1196, 21.0462, 2.2543
YIQ	108.9250, 119.2050, 14.7650

Conversions

Conversions Part 2

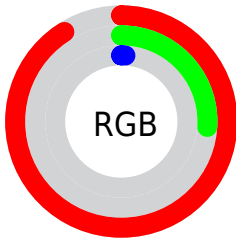
Format	Color
RYB	232, 93, 2
Decimal	15221506
CIELab	53.00, 61.38, 64.05
CIELCh	53, 88.708, 46.220
Yxy	21.0462, 0.6012, 0.3603
Android (android.graphics.Color)	4293411586 (0xFFE84302)
YUV	108.9250, -52.7140, 107.9368
Hunter-Lab	45.8761, 56.3642, 29.1998

Details

The CIELCh color **53, 88.708, 46.220** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **64, 44.482, 253.343**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.915, 50.720**, and **34, 75.996, 39.844** is the 20% darker color. If you saturate the color by 10%, you get **53, 89.163, 46.178**, and if you desaturate by 10%, it is **55, 81.252, 47.228**.

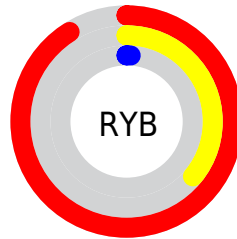
Distribution



Red (91%)

Green (26%)

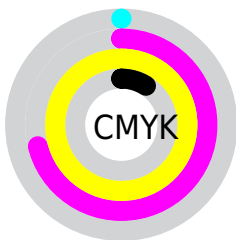
Blue (1%)



Red (91%)

Yellow (36%)

Blue (1%)

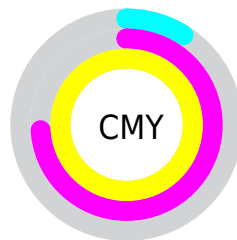


Cyan (0%)

Magenta (71%)

Yellow (99%)

Black (9%)



Cyan (9%)

Magenta (74%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 88.708, 46.220 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, 88.708, 46.220 by changing the saturation by 10% instead.

■ 53, 88.708, 46.220

■ 53, 88.708, 46.220

■ 100, 88.708,
46.220

■ 43, 88.708, 46.220

■ 73, 88.708, 46.220

■ 33, 88.708, 46.220

■ 83, 88.708, 46.220

■ 23, 88.708, 46.220

■ 93, 88.708, 46.220

■ 13, 88.708, 46.220

■ 3, 88.708, 46.220

■ 0, 88.708, 46.220

■ 53, 88.708, 46.220

■ 53, 88.708, 46.220

■ 53, 89.163, 46.178

■ 55, 81.252, 47.228

■ 58, 71.579, 47.496

62, 61.027, 47.437

65, 50.517, 47.374

70, 40.457, 47.423

74, 31.010, 47.612

78, 22.221, 47.930

83, 14.080, 48.349

87, 6.544, 48.821

Harmonies

Complementary

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



53, 88.708, 46.220



64, 44.482, 253.343

Rectangle

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



53, 88.708, 46.220



53, 88.708, 96.220



53, 88.708, 226.220



53, 88.708, 276.220

Sweetspot

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



53, 88.705, 46.222



85, 24.641, 47.900



52, 87.472, 342.659



43, 17.099, 47.755



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, 88.705, 46.222



58, 96.104, 46.013



75, 78.159, 84.738



46, 3.947, 48.817



41, 72.932, 46.714



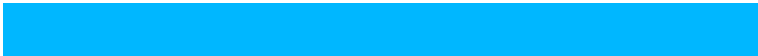
9, 22.497, 39.246

Inverse Universe

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



64, 44.482, 253.343



70, 48.115, 253.948



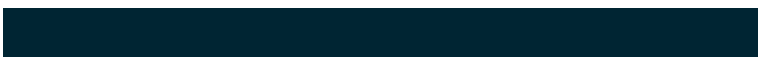
35, 105.453, 301.510



46, 3.745, 230.180



50, 36.478, 252.730



13, 14.519, 243.897

Previews

White Background



This preview shows how the CIELCh color 53, 88.708, 46.220 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, 88.708, 46.220 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, 88.708, 46.220

Background



This preview shows how black text looks on a background with the CIELCh color 53, 88.708, 46.220.



This preview shows how white text looks on a background with the CIELCh color 53, 88.708, 46.220.

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, 88.708, 46.220

Protanopia

53, 52.552, 95.186

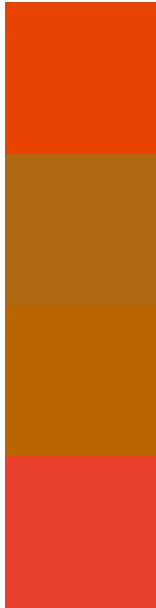
Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 75.318, 30.647

Trichromacy



Original Color
53, 88.708, 46.220

Protanomaly
51, 59.076, 68.053

Deuteranomaly
52, 66.026, 64.141

Tritanomaly
53, 80.698, 38.637

Monochromacy



Original Color
53, 88.708, 46.220

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 32.582, 47.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 88.708, 46.220 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(232, 67, 2)` looks like.

```
.text, #text, p{  
    color:rgb(232, 67, 2)  
}
```

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(232, 67, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 67, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 88.708, 46.220 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(232, 67, 2) }
```

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

```
.border{ border-color:rgb(232, 67, 2) }
```

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

Here you see how a box with a 4 pixel rgb(232, 67, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 67, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 67, 2);  
box-shadow:4px 4px 4px 4px rgb(232, 67, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 88.708, 46.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 67, 2) }
```

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

```
.background{ background-color: rgb(232, 67,  
2) }
```

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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