

Converting Colors

CIELCh(53, 64.024, 44.548)

Have a look what the booklet for
CIELCh(53, 64.024, 44.548) contains.

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Color

CIELCh(53, 63.916, 44.432)

Conversions

Conversions Part 1

Format	Color
Hex	D25933
RGB	210, 89, 51
RGB Percent	82%, 35%, 20%
CMY	0.1770, 0.6514, 0.8004
CMYK	0.00, 0.58, 0.76, 0.18
HSL	14°, 64%, 51%
HSV	14°, 76%, 82%
XYZ	30.6987, 21.0462, 5.5647
YIQ	120.8470, 84.3140, 13.8340

Conversions

Conversions Part 2

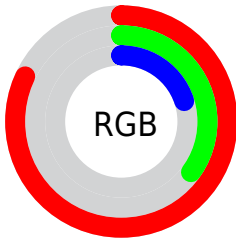
Format	Color
R_{YB}	210, 101, 51
Decimal	13785395
CIE _{Lab}	53.00, 45.64, 44.75
CIE _{LCh}	53, 63.916, 44.432
Yxy	21.0462, 0.5357, 0.3672
Android (android.graphics.Color)	4291975475 (0xFFD25933)
YUV	120.8470, -34.4346, 78.1872
Hunter-Lab	45.8761, 39.1627, 24.9215

Details

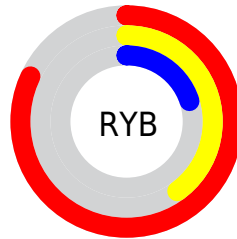
The CIELCh color **53, 63.916, 44.432** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **66, 35.090, 234.879**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 56.599, 46.354**, and **33, 63.703, 44.305** is the 20% darker color. If you saturate the color by 10%, you get **50, 73.564, 44.872**, and if you desaturate by 10%, it is **56, 53.877, 43.896**.

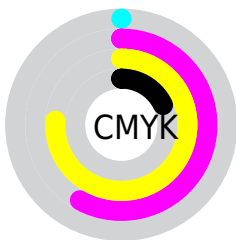
Distribution



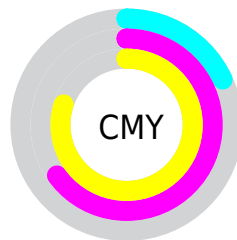
- Red (82%)
- Green (35%)
- Blue (20%)



- Red (82%)
- Yellow (40%)
- Blue (20%)



- Cyan (0%)
- Magenta (58%)
- Yellow (76%)
- Black (18%)



- Cyan (18%)
- Magenta (65%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 63.916, 44.432 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, 63.916, 44.432 by changing the saturation by 10% instead.

53, 63.916, 44.432

53, 63.916, 44.432

100, 63.916,
44.432

43, 63.916, 44.432

73, 63.916, 44.432

33, 63.916, 44.432

83, 63.916, 44.432

23, 63.916, 44.432

93, 63.916, 44.432

13, 63.916, 44.432

3, 63.916, 44.432

0, 63.916, 44.432

53, 63.916, 44.432

53, 63.916, 44.432

50, 73.564, 44.872

56, 53.877, 43.896

48, 81.521, 44.676

60, 44.075, 43.478

47, 84.450, 44.591

64, 34.778, 43.242

68, 26.090, 43.185

72, 18.033, 43.281

77, 10.588, 43.490

81, 3.711, 43.722

86, 2.649, 224.478

91, 8.548, 224.785

Harmonies

Complementary

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



53, 63.916, 44.432



66, 35.090, 234.879

Rectangle

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



53, 63.916, 44.432



53, 63.916, 94.432



53, 63.916, 224.432



53, 63.916, 274.432

Sweetspot

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



53, 63.914, 44.435



88, 18.677, 43.324



51, 77.403, 337.495



45, 13.122, 43.263



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, 63.914, 44.435



59, 91.351, 44.871



71, 62.443, 86.076



42, 3.708, 43.652



38, 71.260, 45.026



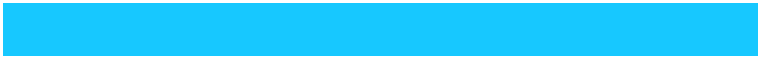
6, 17.405, 32.937

Inverse Universe

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



66, 35.090, 234.879



75, 44.076, 240.885



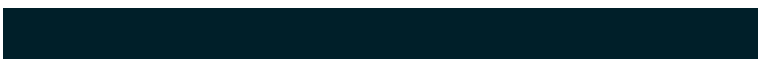
43, 69.592, 292.374



43, 3.506, 224.626



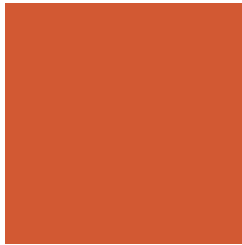
50, 33.079, 243.605



10, 12.261, 233.681

Previews

White Background



This preview shows how the CIELCh color 53, 63.916, 44.432 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, 63.916, 44.432 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, 63.916, 44.432

Background



This preview shows how black text looks on a background with the CIELCh color 53, 63.916, 44.432.



This preview shows how white text looks on a background with the CIELCh color 53, 63.916, 44.432.

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, 63.916, 44.432

Protanopia

53, 36.970, 95.395

Deuteranopia

53, 47.012, 81.735



Tritanopia
53, 55.435, 24.249

Trichromacy



Original Color
53, 63.916, 44.432

Protanomaly
52, 41.287, 68.193

Deuteranomaly
52, 49.975, 64.254

Tritanomaly
53, 57.741, 32.533

Monochromacy



Original Color
53, 63.916, 44.432

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 21.194, 42.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 63.916, 44.432 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(210, 89, 51)` looks like.

```
.text, #text, p{  
    color:rgb(210, 89, 51)  
}
```

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(210, 89, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 89, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 63.916, 44.432 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(210, 89, 51) }
```

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

```
.border{ border-color:rgb(210, 89, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 89, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 89, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 89, 51);  
box-shadow:4px 4px 4px 4px rgb(210, 89,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 63.916, 44.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 89, 51) }
```

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

```
.background{ background-color: rgb(210, 89,  
51) }
```

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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