

Converting Colors

CIELCh(53, 63.591, 36.302)

Have a look what the booklet for
CIELCh(53, 63.591, 36.302) contains.

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Color

CIELCh(53, 63.530, 36.339)

Conversions

Conversions Part 1

Format	Color
Hex	D85341
RGB	216, 83, 65
RGB Percent	85%, 33%, 25%
CMY	0.1546, 0.6759, 0.7463
CMYK	0.00, 0.62, 0.70, 0.15
HSL	7°, 66%, 55%
HSV	7°, 70%, 85%
XYZ	32.2084, 21.0462, 7.3192
YIQ	120.7150, 85.0460, 22.5980

Conversions

Conversions Part 2

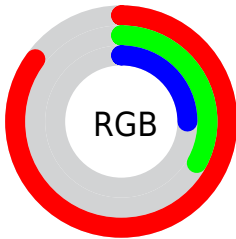
Format	Color
R _Y B	216, 85, 65
Decimal	14177089
CIE Lab	53.00, 51.18, 37.65
CIE LCh	53, 63.530, 36.339
Yxy	21.0462, 0.5317, 0.3474
Android (android.graphics.Color)	4292367169 (0xFFD85341)
YUV	120.7150, -27.4675, 83.5649
Hunter-Lab	45.8761, 45.0368, 22.6540

Details

The CIELCh color **53, 63.530, 36.339** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **74, 35.446, 213.156**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 53.535, 37.283**, and **33, 63.570, 36.477** is the 20% darker color. If you saturate the color by 10%, you get **50, 73.988, 38.319**, and if you desaturate by 10%, it is **57, 52.912, 34.624**.

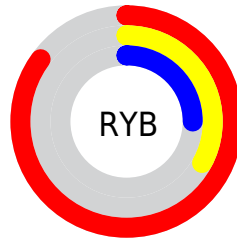
Distribution



Red (85%)

Green (33%)

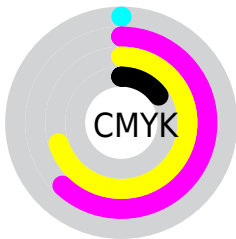
Blue (25%)



Red (85%)

Yellow (33%)

Blue (25%)

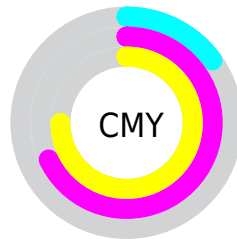


Cyan (0%)

Magenta (62%)

Yellow (70%)

Black (15%)



Cyan (15%)

Magenta (68%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 63.530, 36.339 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, 63.530, 36.339 by changing the saturation by 10% instead.

53, 63.530, 36.339

53, 63.530, 36.339

100, 63.530,
36.339

43, 63.530, 36.339

73, 63.530, 36.339

33, 63.530, 36.339

83, 63.530, 36.339

23, 63.530, 36.339

93, 63.530, 36.339

13, 63.530, 36.339

3, 63.530, 36.339

0, 63.530, 36.339

53, 63.530, 36.339

53, 63.530, 36.339

50, 73.988, 38.319

57, 52.912, 34.624

48, 83.333, 40.151

61, 42.588, 33.267

46, 90.178, 41.346

66, 32.781, 32.252

46, 90.183, 41.347

70, 23.604, 31.522

76, 15.092, 31.014

81, 7.235, 30.655

86, 0.012, 269.137

92, 6.686, 210.559

97, 12.751,
201.918

Harmonies

Complementary

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



53, 63.530, 36.339



74, 35.446, 213.156

Rectangle

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



53, 63.530, 36.339



53, 63.530, 86.339



53, 63.530, 216.339



53, 63.530, 266.339

Sweetspot

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



53, 63.527, 36.342



87, 18.258, 31.066



54, 81.671, 331.891



45, 12.503, 31.195



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, 63.527, 36.342



57, 89.349, 39.262



69, 56.594, 77.129



42, 4.078, 30.636



36, 75.501, 41.579



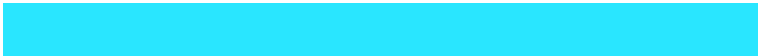
6, 20.390, 25.934

Inverse Universe

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



74, 35.446, 213.156



84, 43.111, 215.288



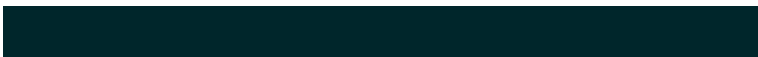
52, 54.627, 282.565



44, 3.837, 210.556



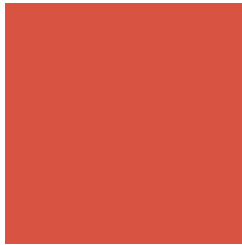
57, 32.665, 217.940



13, 12.999, 213.540

Previews

White Background



This preview shows how the CIELCh color 53, 63.530, 36.339 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, 63.530, 36.339 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, 63.530, 36.339

Background



This preview shows how black text looks on a background with the CIELCh color 53, 63.530, 36.339.

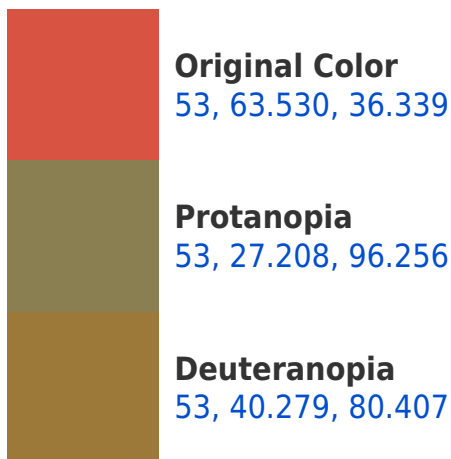


This preview shows how white text looks on a background with the CIELCh color 53, 63.530, 36.339.

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





Tritanopia
53, 59.596, 25.816

Trichromacy



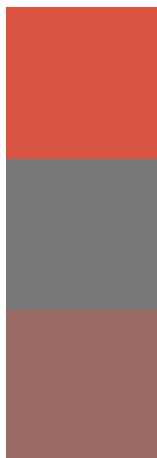
Original Color
53, 63.530, 36.339

Protanomaly
52, 34.268, 58.870

Deuteranomaly
52, 44.786, 57.548

Tritanomaly
53, 60.746, 29.691

Monochromacy



Original Color
53, 63.530, 36.339

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 21.928, 30.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 63.530, 36.339 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(216, 83, 65)` looks like.

```
.text, #text, p{  
    color:rgb(216, 83, 65)  
}
```

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(216, 83, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 83, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 63.530, 36.339 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(216, 83, 65) }
```

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

```
.border{ border-color:rgb(216, 83, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 83, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 83, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 83, 65);  
box-shadow:4px 4px 4px 4px rgb(216, 83,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 63.530, 36.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 83, 65) }
```

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

```
.background{ background-color: rgb(216, 83,  
65) }
```

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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