

Converting Colors

CIELCh(51, 65.393, 46.260)

Have a look what the booklet for
CIELCh(51, 65.393, 46.260) contains.

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Color

CIELCh(51, 65.227, 46.325)

Conversions

Conversions Part 1

Format	Color
Hex	CB5429
RGB	203, 84, 41
RGB Percent	80%, 33%, 16%
CMY	0.2029, 0.6697, 0.8384
CMYK	0.00, 0.59, 0.80, 0.20
HSL	16°, 66%, 48%
HSV	16°, 80%, 80%
XYZ	28.2899, 19.2686, 4.3442
YIQ	114.6790, 84.7270, 11.8550

Conversions

Conversions Part 2

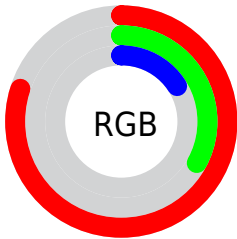
Format	Color
R_{YB}	203, 100, 41
Decimal	13325353
CIE _{Lab}	51.00, 45.04, 47.18
CIE _{LCh}	51, 65.227, 46.325
Yxy	19.2686, 0.5451, 0.3712
Android (android.graphics.Color)	4291515433 (0xFFCB5429)
YUV	114.6790, -36.3237, 77.4575
Hunter-Lab	43.8960, 38.2206, 24.8596

Details

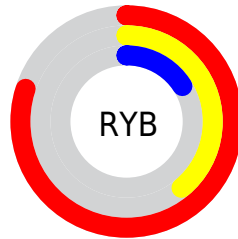
The CIELCh color **51, 65.227, 46.325** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **62, 35.581, 240.969**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 60.691, 47.559**, and **31, 63.058, 44.097** is the 20% darker color. If you saturate the color by 10%, you get **48, 74.069, 46.283**, and if you desaturate by 10%, it is **54, 55.624, 46.081**.

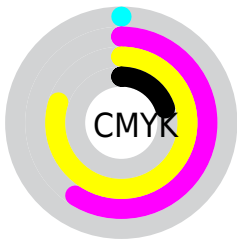
Distribution



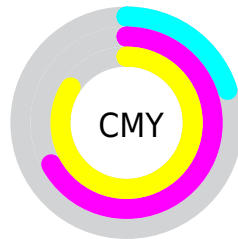
- Red (80%)
- Green (33%)
- Blue (16%)



- Red (80%)
- Yellow (39%)
- Blue (16%)



- Cyan (0%)
- Magenta (59%)
- Yellow (80%)
- Black (20%)



- Cyan (20%)
- Magenta (67%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 65.227, 46.325 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 51, 65.227, 46.325 by changing the saturation by 10% instead.

■ 51, 65.227, 46.325

■ 51, 65.227, 46.325

■ 100, 65.227,
46.325

■ 41, 65.227, 46.325

■ 71, 65.227, 46.325

■ 31, 65.227, 46.325

■ 81, 65.227, 46.325

■ 21, 65.227, 46.325

■ 91, 65.227, 46.325

■ 11, 65.227, 46.325

■ 1, 65.227, 46.325

■ 0, 65.227, 46.325

■ 51, 65.227, 46.325

■ 51, 65.227, 46.325

■ 48, 74.069, 46.283

■ 54, 55.624, 46.081

■ 46, 81.144, 45.681

■ 57, 46.078, 45.857

46, 81.334, 45.680

61, 36.943, 45.767

65, 28.365, 45.833

69, 20.386, 46.039

73, 12.997, 46.358

78, 6.162, 46.739

82, 0.168, 230.460

86, 6.044, 227.952

Harmonies

Complementary

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



51, 65.227, 46.325



62, 35.581, 240.969

Rectangle

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



51, 65.227, 46.325



51, 65.227, 96.325



51, 65.227, 226.325



51, 65.227, 276.325

Sweetspot

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



51, 65.225, 46.328



88, 19.356, 46.200



48, 76.538, 338.767



45, 13.492, 46.089



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 65.225, 46.328



58, 94.132, 45.683



69, 63.754, 86.816



41, 3.598, 46.752



38, 69.519, 46.127



6, 15.512, 34.825

Inverse Universe

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



62, 35.581, 240.969



72, 46.129, 248.520



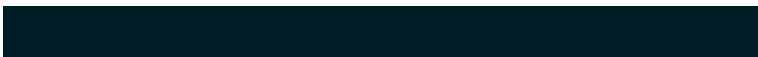
39, 73.511, 294.527



42, 3.410, 227.954



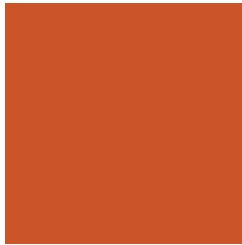
48, 33.667, 248.981



9, 11.862, 237.869

Previews

White Background



This preview shows how the CIELCh color 51, 65.227, 46.325 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 51, 65.227, 46.325 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 51, 65.227, 46.325

Background



This preview shows how black text looks on a background with the CIELCh color 51, 65.227, 46.325.



This preview shows how white text looks on a background with the CIELCh color 51, 65.227, 46.325.

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

51, 65.227, 46.325

Protanopia

51, 39.604, 95.434

Deuteranopia

51, 49.623, 82.719



Tritanopia
51, 55.556, 25.115

Trichromacy



Original Color
51, 65.227, 46.325

Protanomaly
50, 43.494, 69.990

Deuteranomaly
50, 52.240, 65.820

Tritanomaly
51, 58.137, 34.304

Monochromacy



Original Color
51, 65.227, 46.325

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 21.903, 46.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 65.227, 46.325 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(203, 84, 41)` looks like.

```
.text, #text, p{  
    color:rgb(203, 84, 41)  
}
```

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(203, 84, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 84, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 65.227, 46.325 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(203, 84, 41) }
```

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

```
.border{ border-color:rgb(203, 84, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 84, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 84, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 84, 41);  
box-shadow:4px 4px 4px 4px rgb(203, 84,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 65.227, 46.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 84, 41) }
```

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

```
.background{ background-color: rgb(203, 84,  
41) }
```

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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