

Converting Colors

CIELCh(61, 51.437, 86.065)

Have a look what the booklet for
CIELCh(61, 51.437, 86.065) contains.

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Color

CIELCh(61, 51.437, 86.065)

Conversions

Conversions Part 1

Format	Color
Hex	B28F34
RGB	178, 143, 52
RGB Percent	70%, 56%, 20%
CMY	0.3030, 0.4402, 0.7970
CMYK	0.00, 0.20, 0.71, 0.30
HSL	43°, 55%, 45%
HSV	43°, 71%, 70%
XYZ	28.6959, 29.2481, 7.3524
YIQ	143.0910, 50.0710, -20.8810

Conversions

Conversions Part 2

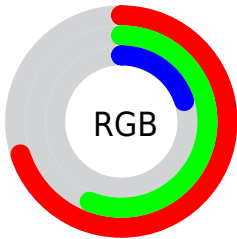
Format	Color
R_{YB}	100, 178, 52
Decimal	11702068
CIE Lab	61.00, 3.53, 51.32
CIE LCh	61, 51.437, 86.065
Yxy	29.2481, 0.4395, 0.4479
Android (android.graphics.Color)	4289892148 (0xFFB28F34)
YUV	143.0910, -44.9079, 30.6152
Hunter-Lab	54.0815, 0.0702, 29.7966

Details

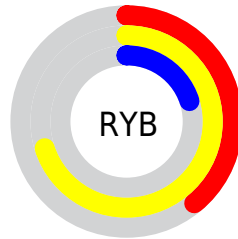
The CIELCh color **61, 51.437, 86.065** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **39, 55.524, 289.913**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 51.171, 85.611**, and **41, 48.928, 85.279** is the 20% darker color. If you saturate the color by 10%, you get **60, 57.130, 84.514**, and if you desaturate by 10%, it is **62, 44.755, 87.509**.

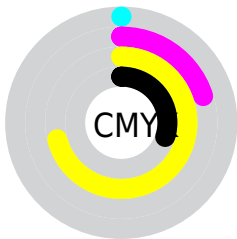
Distribution



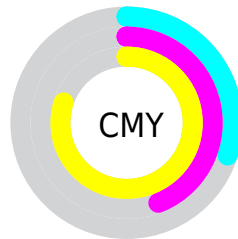
- Red (70%)
- Green (56%)
- Blue (20%)



- Red (39%)
- Yellow (70%)
- Blue (20%)



- Cyan (0%)
- Magenta (20%)
- Yellow (71%)
- Black (30%)



- Cyan (30%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 51.437, 86.065 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 61, 51.437, 86.065 by changing the saturation by 10% instead.

61, 51.437, 86.065

61, 51.437, 86.065

100, 51.437,
86.065

51, 51.437, 86.065

81, 51.437, 86.065

41, 51.437, 86.065

91, 51.437, 86.065

31, 51.437, 86.065

21, 51.437, 86.065

11, 51.437, 86.065

1, 51.437, 86.065

0, 51.437, 86.065

61, 51.437, 86.065

61, 51.437, 86.065

60, 57.130, 84.514

62, 44.755, 87.509

58, 61.195, 82.752

64, 37.558, 88.888

57, 63.472, 80.947

66, 30.140, 90.225

67, 22.666, 91.528

69, 15.229, 92.793

71, 7.875, 94.014

72, 0.624, 94.928

74, 6.515, 276.400

76, 13.542,
277.480

Harmonies

Complementary

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



61, 51.437, 86.065



39, 55.524, 289.913

Rectangle

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



61, 51.437, 86.065



61, 51.437, 136.065



61, 51.437, 266.065



61, 51.437, 316.065

Sweetspot

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



61, 51.437, 86.068



87, 19.032, 92.733



42, 53.773, 9.302



46, 13.010, 92.391



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



61, 51.437, 86.068



75, 72.825, 83.561



68, 63.817, 114.643



37, 4.108, 94.198



50, 56.880, 81.247



6, 8.939, 87.448

Inverse Universe

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



39, 55.524, 289.913



43, 84.468, 295.026



32, 77.267, 305.594



35, 4.130, 276.518



24, 71.537, 298.934



2, 10.618, 279.529

Previews

White Background



This preview shows how the CIELCh color 61, 51.437, 86.065 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 CIE LCh color 61, 51.437, 86.065 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 61, 51.437, 86.065

Background



This preview shows how black text looks on a background with the CIELCh color 61, 51.437, 86.065.



This preview shows how white text looks on a background with the CIELCh color 61, 51.437, 86.065.

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

61, 51.437, 86.065

Protanopia

61, 50.792, 95.583

Deuteranopia

61, 51.553, 81.185



Tritanopia
61, 20.777, 6.157

Trichromacy



Original Color
61, 51.437, 86.065

Protanomaly
61, 50.659, 91.839

Deuteranomaly
61, 51.328, 82.767

Tritanomaly
61, 25.114, 57.339

Monochromacy



Original Color
61, 51.437, 86.065

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 19.353, 91.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 51.437, 86.065 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(178, 143, 52)` looks like.

```
.text, #text, p{  
    color:rgb(178, 143, 52)  
}
```

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(178, 143, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 143, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 51.437, 86.065 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(178, 143, 52) }
```

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

```
.border{ border-color:rgb(178, 143, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 143, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 143, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 143, 52);  
box-shadow:4px 4px 4px 4px rgb(178, 143,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 51.437, 86.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 143, 52) }
```

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

```
.background{ background-color: rgb(178,  
143, 52) }
```

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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