

Converting Colors

CIELCh(60, 51.596, 93.438)

Have a look what the booklet for
CIELCh(60, 51.596, 93.438) contains.

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Color

CIELCh(60, 51.598, 93.391)

Conversions

Conversions Part 1

Format	Color
Hex	A59030
RGB	165, 144, 48
RGB Percent	65%, 56%, 19%
CMY	0.3533, 0.4356, 0.8121
CMYK	0.00, 0.13, 0.71, 0.35
HSL	49°, 55%, 42%
HSV	49°, 71%, 65%
XYZ	25.9902, 28.1233, 6.8456
YIQ	139.3350, 43.3320, -25.4040

Conversions

Conversions Part 2

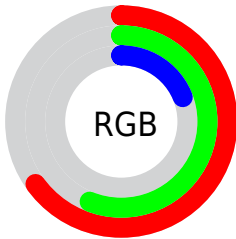
Format	Color
R_{YB}	74, 165, 48
Decimal	10850352
CIE _{Lab}	60.00, -3.05, 51.51
CIE _{LCh}	60, 51.598, 93.391
Yxy	28.1233, 0.4264, 0.4613
Android (android.graphics.Color)	4289040432 (0xFFA59030)
YUV	139.3350, -45.0282, 22.5082
Hunter-Lab	53.0314, -5.3238, 29.4685

Details

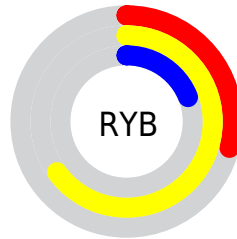
The CIELCh color **60, 51.598, 93.391** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **33, 59.883, 295.037**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 51.727, 93.554**, and **40, 47.471, 92.985** is the 20% darker color. If you saturate the color by 10%, you get **59, 56.809, 92.191**, and if you desaturate by 10%, it is **61, 45.278, 94.584**.

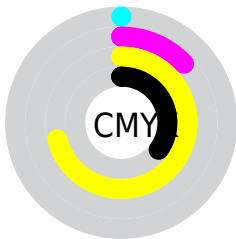
Distribution



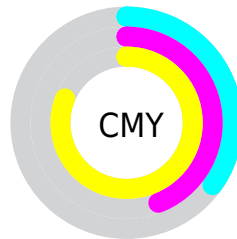
- Red (65%)
- Green (56%)
- Blue (19%)



- Red (29%)
- Yellow (65%)
- Blue (19%)



- Cyan (0%)
- Magenta (13%)
- Yellow (71%)
- Black (35%)



- Cyan (35%)
- Magenta (44%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 51.598, 93.391 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 60, 51.598, 93.391 by changing the saturation by 10% instead.

■ 60, 51.598, 93.391

■ 60, 51.598, 93.391

■ 100, 51.598,
93.391

■ 50, 51.598, 93.391

■ 80, 51.598, 93.391

■ 40, 51.598, 93.391

■ 90, 51.598, 93.391

■ 30, 51.598, 93.391

■ 20, 51.598, 93.391

■ 10, 51.598, 93.391

■ 0, 51.598, 93.391

■ 60, 51.598, 93.391

■ 60, 51.598, 93.391

■ 59, 56.809, 92.191

■ 61, 45.278, 94.584

■ 58, 60.376, 90.944

■ 62, 38.293, 95.771

57, 62.315, 89.769

63, 30.945, 96.954

64, 23.423, 98.126

65, 15.836, 99.279

66, 8.250, 100.401

68, 0.701, 101.332

69, 6.792, 282.589

70, 14.218,
283.596

Harmonies

Complementary

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



60, 51.598, 93.391



33, 59.883, 295.037

Rectangle

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



60, 51.598, 93.391



60, 51.598, 143.391



60, 51.598, 273.391



60, 51.598, 323.391

Sweetspot

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



60, 51.598, 93.394



83, 19.648, 99.228



39, 51.351, 17.128



43, 13.281, 98.931



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



60, 51.598, 93.394



75, 71.738, 91.498



63, 61.406, 119.142



34, 4.226, 100.585



51, 56.856, 89.926



4, 6.267, 98.897

Inverse Universe

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



33, 59.883, 295.037



36, 90.468, 299.489



31, 72.324, 307.760



32, 4.279, 282.698



19, 77.419, 302.608



1, 6.703, 282.567

Previews

White Background



This preview shows how the CIELCh color 60, 51.598, 93.391 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 60, 51.598, 93.391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

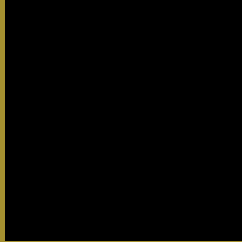
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 51.598, 93.391

Background



This preview shows how black text looks on a background with the CIELCh color 60, 51.598, 93.391.



This preview shows how white text looks on a background with the CIELCh color 60, 51.598, 93.391.

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

60, 51.598, 93.391

Protanopia

60, 51.639, 95.492

Deuteranopia

60, 51.634, 81.008



Tritanopia
60, 15.725, 0.236

Trichromacy



Original Color
60, 51.598, 93.391

Protanomaly
60, 51.724, 94.984

Deuteranomaly
60, 51.486, 85.897

Tritanomaly
60, 20.883, 68.490

Monochromacy



Original Color
60, 51.598, 93.391

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 19.908, 99.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 51.598, 93.391 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(165, 144, 48)` looks like.

```
.text, #text, p{  
    color:rgb(165, 144, 48)  
}
```

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(165, 144, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 144, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 51.598, 93.391 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(165, 144, 48) }
```

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

```
.border{ border-color:rgb(165, 144, 48) }
```

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

Here you see how a box with a 4 pixel rgb(165, 144, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 144, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 144, 48);  
box-shadow:4px 4px 4px 4px rgb(165, 144,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 51.598, 93.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 144, 48) }
```

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

```
.background{ background-color: rgb(165,  
144, 48) }
```

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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