

Converting Colors

CIELCh(60, 57.654, 90.885)

Have a look what the booklet for
CIELCh(60, 57.654, 90.885) contains.

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Color

CIELCh(60, 57.724, 90.944)

Conversions

Conversions Part 1

Format	Color
Hex	AA8F20
RGB	170, 143, 32
RGB Percent	67%, 56%, 13%
CMY	0.3351, 0.4408, 0.8764
CMYK	0.00, 0.16, 0.81, 0.34
HSL	48°, 69%, 39%
HSV	48°, 81%, 66%
XYZ	26.4983, 28.1233, 5.3642
YIQ	138.4190, 51.7230, -28.7970

Conversions

Conversions Part 2

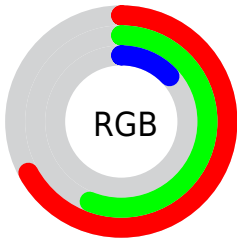
Format	Color
R _{YB}	66, 170, 32
Decimal	11177760
CIE Lab	60.00, -0.95, 57.72
CIE LCh	60, 57.724, 90.944
Yxy	28.1233, 0.4417, 0.4688
Android (android.graphics.Color)	4289367840 (0xFFAA8F20)
YUV	138.4190, -52.4646, 27.6965
Hunter-Lab	53.0314, -3.6138, 31.1247

Details

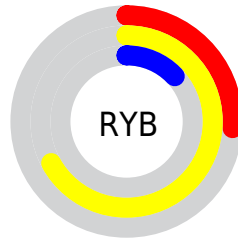
The CIELCh color **60, 57.724, 90.944** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **30, 69.880, 297.384**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 57.649, 90.606**, and **40, 47.707, 89.887** is the 20% darker color. If you saturate the color by 10%, you get **59, 61.282, 89.606**, and if you desaturate by 10%, it is **61, 52.464, 92.215**.

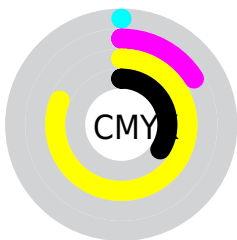
Distribution



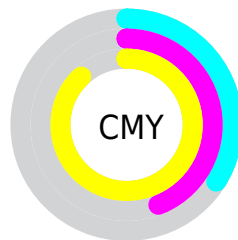
- Red (67%)
- Green (56%)
- Blue (13%)



- Red (26%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (16%)
- Yellow (81%)
- Black (34%)



- Cyan (34%)
- Magenta (44%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 57.724, 90.944 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, 57.724, 90.944 by changing the saturation by 10% instead.

60, 57.724, 90.944

60, 57.724, 90.944

100, 57.724,
90.944

50, 57.724, 90.944

80, 57.724, 90.944

40, 57.724, 90.944

90, 57.724, 90.944

30, 57.724, 90.944

20, 57.724, 90.944

10, 57.724, 90.944

0, 57.724, 90.944

60, 57.724, 90.944

60, 57.724, 90.944

59, 61.282, 89.606

61, 52.464, 92.215

58, 63.114, 88.391

62, 46.065, 93.452

63, 38.991, 94.676

64, 31.557, 95.888

65, 23.956, 97.086

67, 16.300, 98.261

68, 8.655, 99.403

69, 1.057, 100.404

71, 6.477, 281.630

Harmonies

Complementary

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



60, 57.724, 90.944



30, 69.880, 297.384

Rectangle

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



60, 57.724, 90.944



60, 57.724, 140.944



60, 57.724, 270.944



60, 57.724, 320.944

Sweetspot

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



60, 57.724, 90.947



84, 22.545, 97.909



38, 58.806, 20.002



44, 15.475, 97.508



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



60, 57.724, 90.947



74, 75.994, 88.394



64, 68.708, 118.542



35, 4.263, 99.639



51, 57.142, 88.576



5, 7.288, 96.855

Inverse Universe

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



30, 69.880, 297.384



32, 104.106, 302.424



28, 83.847, 308.079



33, 4.313, 281.791



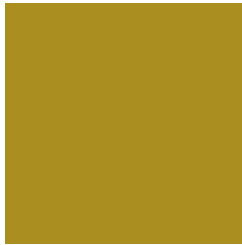
20, 77.191, 302.134



1, 8.014, 282.258

Previews

White Background



This preview shows how the CIELCh color 60, 57.724, 90.944 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 60, 57.724, 90.944 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, 57.724, 90.944

Background



This preview shows how black text looks on a background with the CIELCh color 60, 57.724, 90.944.



This preview shows how white text looks on a background with the CIELCh color 60, 57.724, 90.944.

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, 57.724, 90.944

Protanopia

60, 57.571, 95.199

Deuteranopia

60, 57.798, 82.201



Tritanopia
60, 18.454, 3.802

Trichromacy



Original Color
60, 57.724, 90.944

Protanomaly
60, 57.457, 93.758

Deuteranomaly
60, 57.542, 85.563

Tritanomaly
59, 25.759, 67.471

Monochromacy



Original Color
60, 57.724, 90.944

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 23.367, 97.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 57.724, 90.944 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(170, 143, 32)` looks like.

```
.text, #text, p{  
    color:rgb(170, 143, 32)  
}
```

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(170, 143, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 143, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 57.724, 90.944 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(170, 143, 32) }
```

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

```
.border{ border-color:rgb(170, 143, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 143, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 143, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 143, 32);  
box-shadow:4px 4px 4px 4px rgb(170, 143,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 57.724, 90.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 143, 32) }
```

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

```
.background{ background-color: rgb(170,  
143, 32) }
```

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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