

Converting Colors

CIELCh(60, 45.276, 79.677)

Have a look what the booklet for
CIELCh(60, 45.276, 79.677) contains.

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Color

CIELCh(60, 45.504, 80.011)

Conversions

Conversions Part 1

Format	Color
Hex	B48A40
RGB	180, 138, 64
RGB Percent	71%, 54%, 25%
CMY	0.2954, 0.4600, 0.7501
CMYK	0.00, 0.23, 0.65, 0.30
HSL	38°, 48%, 48%
HSV	38°, 65%, 70%
XYZ	28.7095, 28.1233, 8.7237
YIQ	142.1220, 48.7860, -14.1100

Conversions

Conversions Part 2

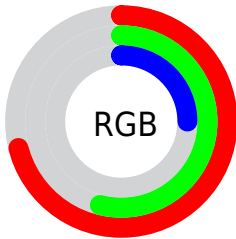
Format	Color
R _Y B	130, 180, 64
Decimal	11831872
CIE Lab	60.00, 7.89, 44.81
CIE LCh	60, 45.504, 80.011
Yxy	28.1233, 0.4379, 0.4290
Android (android.graphics.Color)	4290021952 (0xFFB48A40)
YUV	142.1220, -38.5141, 33.2190
Hunter-Lab	53.0314, 3.8291, 27.3688

Details

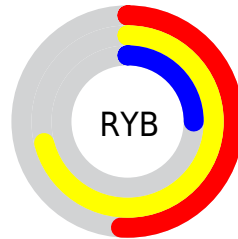
The CIELCh color **60, 45.504, 80.011** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **45, 44.663, 282.152**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 45.335, 79.534**, and **40, 45.528, 79.565** is the 20% darker color. If you saturate the color by 10%, you get **58, 52.164, 78.406**, and if you desaturate by 10%, it is **62, 38.382, 81.504**.

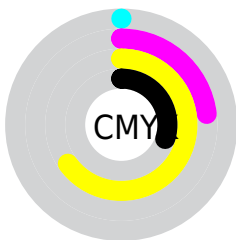
Distribution



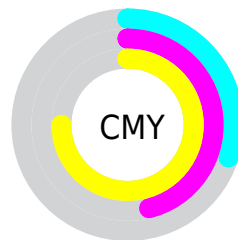
- Red (71%)
- Green (54%)
- Blue (25%)



- Red (51%)
- Yellow (71%)
- Blue (25%)



- Cyan (0%)
- Magenta (23%)
- Yellow (65%)
- Black (30%)



- Cyan (30%)
- Magenta (46%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 45.504, 80.011 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, 45.504, 80.011 by changing the saturation by 10% instead.

60, 45.504, 80.011

60, 45.504, 80.011

100, 45.504,
80.011

50, 45.504, 80.011

80, 45.504, 80.011

40, 45.504, 80.011

90, 45.504, 80.011

30, 45.504, 80.011

20, 45.504, 80.011

10, 45.504, 80.011

0, 45.504, 80.011

60, 45.504, 80.011

60, 45.504, 80.011

58, 52.164, 78.406

62, 38.382, 81.504

56, 57.823, 76.573

64, 31.120, 82.927

■ 55, 61.749, 74.329

■ 66, 23.888, 84.305

■ 54, 63.439, 73.020

■ 68, 16.773, 85.641

■ 70, 9.813, 86.934

■ 72, 3.019, 88.139

■ 74, 3.611, 269.501

■ 77, 10.085,
270.624

■ 79, 16.414,
271.731

Harmonies

Complementary

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



60, 45.504, 80.011



45, 44.663, 282.152

Rectangle

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



60, 45.504, 80.011



60, 45.504, 130.011



60, 45.504, 260.011



60, 45.504, 310.011

Sweetspot

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



60, 45.504, 80.015



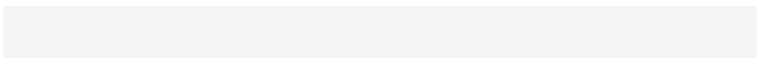
88, 16.031, 86.321



45, 50.645, 0.947



46, 11.063, 85.954



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



60, 45.504, 80.015



74, 66.506, 77.746



70, 59.155, 110.884



37, 3.777, 87.583



46, 56.343, 73.444



5, 8.204, 78.415

Inverse Universe

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



45, 44.663, 282.152



52, 67.041, 286.863



35, 71.073, 303.032



35, 3.765, 270.028



27, 62.776, 294.349



2, 9.896, 275.200

Previews

White Background



This preview shows how the CIELCh color 60, 45.504, 80.011 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, 45.504, 80.011 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, 45.504, 80.011

Background



This preview shows how black text looks on a background with the CIELCh color 60, 45.504, 80.011.



This preview shows how white text looks on a background with the CIELCh color 60, 45.504, 80.011.

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, 45.504, 80.011

Protanopia

60, 43.496, 95.537

Deuteranopia

60, 45.282, 80.526



Tritanopia
60, 22.809, 9.272

Trichromacy



Original Color
60, 45.504, 80.011

Protanomaly
60, 43.791, 89.398

Deuteranomaly
60, 45.282, 80.526

Tritanomaly
60, 25.029, 48.976

Monochromacy



Original Color
60, 45.504, 80.011

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 16.190, 83.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 45.504, 80.011 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(180, 138, 64)` looks like.

```
.text, #text, p{  
    color:rgb(180, 138, 64)  
}
```

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(180, 138, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 138, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 45.504, 80.011 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(180, 138, 64) }
```

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

```
.border{ border-color:rgb(180, 138, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 138, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 138, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 138, 64);  
box-shadow:4px 4px 4px 4px rgb(180, 138,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 45.504, 80.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 138, 64) }
```

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

```
.background{ background-color: rgb(180,  
138, 64) }
```

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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