

Converting Colors

CIELCh(58, 45.964, 100.269)

Have a look what the booklet for
CIELCh(58, 45.964, 100.269)
contains.

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Color

CIELCh(58, 46.281, 100.740)

Conversions

Conversions Part 1

Format	Color
Hex	958E38
RGB	149, 142, 56
RGB Percent	58%, 56%, 22%
CMY	0.4163, 0.4437, 0.7809
CMYK	0.00, 0.05, 0.62, 0.42
HSL	55°, 45%, 40%
HSV	55°, 62%, 58%
XYZ	22.7272, 25.9610, 7.5362
YIQ	134.2890, 31.7780, -25.2620

Conversions

Conversions Part 2

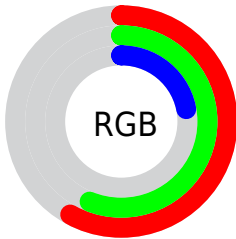
Format	Color
RYB	64, 149, 56
Decimal	9801272
CIELab	58.00, -8.62, 45.47
CIELCh	58, 46.281, 100.740
Yxy	25.9610, 0.4042, 0.4617
Android (android.graphics.Color)	4287991352 (0xFF958E38)
YUV	134.2890, -38.5965, 12.9015
Hunter-Lab	50.9519, -9.5457, 26.8969

Details

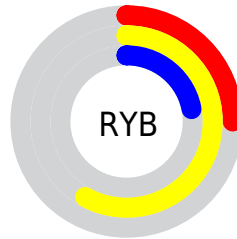
The CIELCh color **58, 46.281, 100.740** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **31, 54.332, 297.145**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 45.962, 100.605**, and **38, 46.032, 100.957** is the 20% darker color. If you saturate the color by 10%, you get **58, 52.158, 99.863**, and if you desaturate by 10%, it is **58, 39.604, 101.690**.

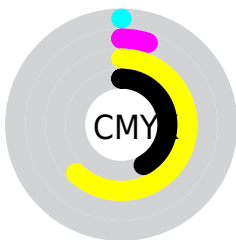
Distribution



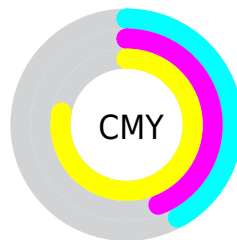
- Red (58%)
- Green (56%)
- Blue (22%)



- Red (25%)
- Yellow (58%)
- Blue (22%)



- Cyan (0%)
- Magenta (5%)
- Yellow (62%)
- Black (42%)



- Cyan (42%)
- Magenta (44%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 46.281, 100.740 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 58, 46.281, 100.740 by changing the saturation by 10% instead.


 58, 46.281,
100.740


 58, 46.281,
100.740

 100, 46.281,
100.740


 48, 46.281,
100.740


 78, 46.281,
100.740

 38, 46.281,
100.740

 88, 46.281,
100.740

 28, 46.281,
100.740

 98, 46.281,
100.740

 18, 46.281,
100.740

 8, 46.281, 100.740

 0, 46.281, 100.740

■ 58, 46.281,
100.740

■ 58, 46.281,
100.740

■ 58, 52.158, 99.863

■ 58, 39.604,
101.690

■ 57, 56.837, 99.072

■ 59, 32.429,
102.681

■ 57, 59.916, 98.384

■ 57, 61.510, 97.911

■ 60, 24.962,
103.695

■ 60, 17.335,
104.717

■ 61, 9.631, 105.729

■ 61, 1.902, 106.696

■ 62, 5.821, 287.721

■ 63, 13.516,
288.654

■ 64, 21.172,
289.554

Harmonies

Complementary

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



58, 46.281, 100.740



31, 54.332, 297.145

Rectangle

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



58, 46.281, 100.740



58, 46.281, 150.740



58, 46.281, 280.740



58, 46.281, 330.740

Sweetspot

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



58, 46.281, 100.743



77, 18.187, 105.031



37, 42.794, 21.830



40, 12.475, 104.766



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



58, 46.281, 100.743



73, 65.901, 99.530



57, 52.270, 123.334



31, 4.339, 106.056



53, 58.140, 97.948



2, 3.807, 106.976

Inverse Universe

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



31, 54.332, 297.145



33, 82.453, 300.534



33, 58.563, 309.752



29, 4.418, 287.957



16, 80.829, 305.011



0, 3.807, 286.979

Previews

White Background



This preview shows how the CIELCh color 58, 46.281, 100.740 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 58, 46.281, 100.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

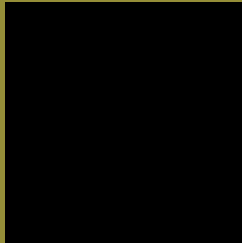
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 46.281, 100.740

Background



This preview shows how black text looks on a background with the CIELCh color 58, 46.281, 100.740.



This preview shows how white text looks on a background with the CIELCh color 58, 46.281, 100.740.

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


58, 46.281, 100.740

Protanopia

58, 46.333, 96.107

Deuteranopia

58, 45.275, 80.784



Tritanopia
58, 11.048, 349.754

Trichromacy



Original Color
58, 46.281, 100.740

Protanomaly
58, 46.552, 97.863

Deuteranomaly
58, 44.748, 88.072

Tritanomaly
58, 16.168, 80.133

Monochromacy



Original Color
58, 46.281, 100.740

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 17.561, 105.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 46.281, 100.740 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(149, 142, 56)` looks like.

```
.text, #text, p{  
    color:rgb(149, 142, 56)  
}
```

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(149, 142, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 142, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 46.281, 100.740 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(149, 142, 56) }
```

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

```
.border{ border-color:rgb(149, 142, 56) }
```

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

Here you see how a box with a 4 pixel rgb(149, 142, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 142, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 142, 56);  
box-shadow:4px 4px 4px 4px rgb(149, 142,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 46.281, 100.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 142, 56) }
```

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

```
.background{ background-color: rgb(149,  
142, 56) }
```

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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