

Converting Colors

CIELCh(65, 46.675, 76.959)

Have a look what the booklet for
CIELCh(65, 46.675, 76.959) contains.

CIELCh(65, 46.628, 77.089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 46.628, 77.089)

Conversions

Conversions Part 1

Format	Color
Hex	C6954B
RGB	198, 149, 75
RGB Percent	78%, 58%, 29%
CMY	0.2232, 0.4154, 0.7056
CMYK	0.00, 0.25, 0.62, 0.22
HSL	36°, 52%, 54%
HSV	36°, 62%, 78%
XYZ	35.3451, 34.0472, 11.3790
YIQ	155.2150, 52.9580, -12.6260

Conversions

Conversions Part 2

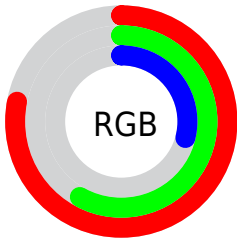
Format	Color
RYB	156, 198, 75
Decimal	13014347
CIELab	65.00, 10.42, 45.45
CIELCh	65, 46.628, 77.089
Yxy	34.0472, 0.4376, 0.4215
Android (android.graphics.Color)	4291204427 (0xFFC6954B)
YUV	155.2150, -39.5460, 37.5224
Hunter-Lab	58.3500, 6.0128, 29.2826

Details

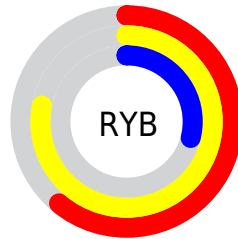
The CIELCh color **65, 46.628, 77.089** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **52, 43.996, 278.544**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 46.137, 78.254**, and **45, 46.589, 76.538** is the 20% darker color. If you saturate the color by 10%, you get **63, 54.106, 75.498**, and if you desaturate by 10%, it is **67, 38.835, 78.575**.

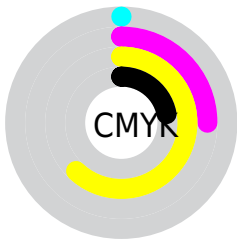
Distribution



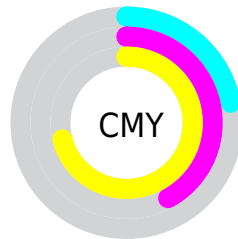
- Red (78%)
- Green (58%)
- Blue (29%)



- Red (61%)
- Yellow (78%)
- Blue (29%)



- Cyan (0%)
- Magenta (25%)
- Yellow (62%)
- Black (22%)



- Cyan (22%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 46.628, 77.089 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 65, 46.628, 77.089 by changing the saturation by 10% instead.

65, 46.628, 77.089

65, 46.628, 77.089

100, 46.628,
77.089

55, 46.628, 77.089

85, 46.628, 77.089

45, 46.628, 77.089

95, 46.628, 77.089

35, 46.628, 77.089

25, 46.628, 77.089

15, 46.628, 77.089

5, 46.628, 77.089

0, 46.628, 77.089

65, 46.628, 77.089

65, 46.628, 77.089

63, 54.106, 75.498

67, 38.835, 78.575

61, 60.744, 73.682

70, 31.018, 79.995

59, 65.744, 71.444

72, 23.325, 81.373

57, 68.471, 69.368

74, 15.821, 82.713

77, 8.529, 84.006

79, 1.451, 85.110

82, 5.423, 266.584

85, 12.110,
267.729

87, 18.625,
268.845

Harmonies

Complementary

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



65, 46.628, 77.089



52, 43.996, 278.544

Rectangle

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



65, 46.628, 77.089



65, 46.628, 127.089



65, 46.628, 257.089



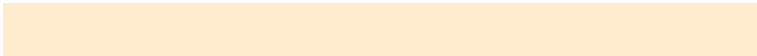
65, 46.628, 307.089

Sweetspot

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



65, 46.628, 77.093



94, 16.625, 83.082



50, 53.505, 357.985



49, 11.493, 82.701



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 46.628, 77.093



78, 68.838, 74.803



77, 61.796, 109.381



41, 3.993, 84.345



48, 59.254, 69.885



8, 13.337, 70.572

Inverse Universe

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



52, 43.996, 278.544



59, 65.748, 283.432



40, 73.974, 302.005



40, 3.963, 266.856



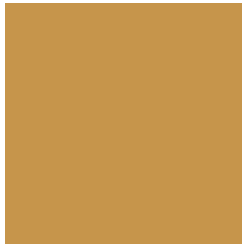
30, 62.143, 292.139



4, 15.658, 277.570

Previews

White Background



This preview shows how the CIELCh color 65, 46.628, 77.089 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 65, 46.628, 77.089 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 ✓ Pass

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

CIELCh 65, 46.628, 77.089

Background



This preview shows how black text looks on a background with the CIELCh color 65, 46.628, 77.089.



This preview shows how white text looks on a background with the CIELCh color 65, 46.628, 77.089.

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

65, 46.628, 77.089

Protanopia

65, 43.678, 95.475

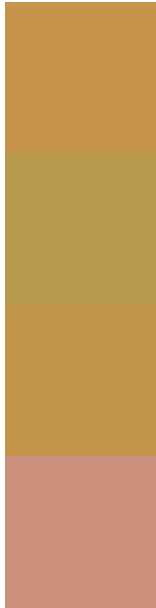
Deuteranopia

65, 46.092, 79.270



Tritanopia
65, 25.721, 9.842

Trichromacy



Original Color
65, 46.628, 77.089

Protanomaly
65, 44.106, 88.929

Deuteranomaly
65, 46.321, 78.781

Tritanomaly
65, 27.706, 45.876

Monochromacy



Original Color
65, 46.628, 77.089

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 16.792, 82.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 46.628, 77.089 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(198, 149, 75)` looks like.

```
.text, #text, p{  
    color:rgb(198, 149, 75)  
}
```

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(198, 149, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 149, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 46.628, 77.089 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(198, 149, 75) }
```

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

```
.border{ border-color:rgb(198, 149, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 149, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 149, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 149, 75);  
box-shadow:4px 4px 4px 4px rgb(198, 149,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 46.628, 77.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 149, 75) }
```

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

```
.background{ background-color: rgb(198,  
149, 75) }
```

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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