

Converting Colors

CIELCh(68, 27.832, 75.475)

Have a look what the booklet for
CIELCh(68, 27.832, 75.475) contains.

CIELCh(68, 28.160, 75.561)	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(68, 28.160, 75.561)

Conversions

Conversions Part 1

Format	Color
Hex	C3A075
RGB	195, 160, 117
RGB Percent	76%, 63%, 46%
CMY	0.2358, 0.3730, 0.5416
CMYK	0.00, 0.18, 0.40, 0.24
HSL	33°, 39%, 61%
HSV	33°, 40%, 76%
XYZ	38.2320, 37.9720, 22.1114
YIQ	165.5630, 34.6630, -5.9530

Conversions

Conversions Part 2

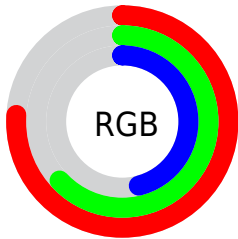
Format	Color
RYB	180, 195, 117
Decimal	12820597
CIELab	68.00, 7.02, 27.27
CIELCh	68, 28.160, 75.561
Yxy	37.9720, 0.3889, 0.3862
Android (android.graphics.Color)	4291010677 (0xFFC3A075)
YUV	165.5630, -23.9416, 25.8162
Hunter-Lab	61.6215, 2.9099, 21.8602

Details

The CIELCh color **68, 28.160, 75.561** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **62, 26.071, 267.699**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 28.480, 76.045**, and **48, 28.349, 75.900** is the 20% darker color. If you saturate the color by 10%, you get **65, 35.811, 74.199**, and if you desaturate by 10%, it is **71, 20.732, 76.903**.

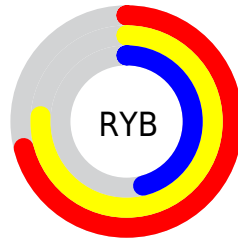
Distribution



Red (76%)

Green (63%)

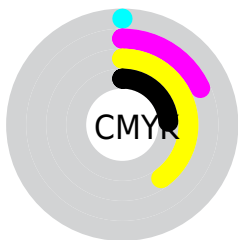
Blue (46%)



Red (71%)

Yellow (76%)

Blue (46%)

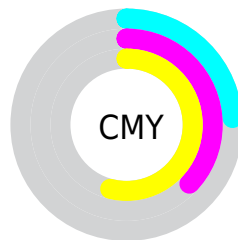


Cyan (0%)

Magenta (18%)

Yellow (40%)

Black (24%)



Cyan (24%)

Magenta (37%)

Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 28.160, 75.561 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 68, 28.160, 75.561 by changing the saturation by 10% instead.

 68, 28.160, 75.561

 68, 28.160, 75.561

 100, 28.160,
75.561

 58, 28.160, 75.561

 88, 28.160, 75.561

 48, 28.160, 75.561

 98, 28.160, 75.561

 38, 28.160, 75.561

 28, 28.160, 75.561

 18, 28.160, 75.561

 8, 28.160, 75.561

 0, 28.160, 75.561

 68, 28.160, 75.561

 68, 28.160, 75.561

 65, 35.811, 74.199

 71, 20.732, 76.903

63, 43.582, 72.785

73, 13.562, 78.209

61, 51.253, 71.278

76, 6.657, 79.469

58, 58.386, 69.570

79, 0.007, 24.186

56, 64.243, 67.454

82, 6.417, 262.029

54, 68.411, 64.840

84, 12.626,
263.171

87, 18.647,
264.282

90, 17.053,
249.335

92, 16.348,
230.117

Harmonies

Complementary

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



68, 28.160, 75.561



62, 26.071, 267.699

Rectangle

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



68, 28.160, 75.561



68, 28.160, 125.561



68, 28.160, 255.561



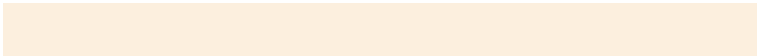
68, 28.160, 305.561

Sweetspot

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



68, 28.160, 75.567



95, 9.881, 79.202



59, 35.747, 350.649



51, 6.625, 79.036



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 28.160, 75.567



83, 42.315, 74.375



77, 40.836, 108.631



40, 3.745, 79.549



45, 59.177, 65.403



7, 11.631, 64.256

Inverse Universe

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



62, 26.071, 267.699



74, 38.511, 269.911



53, 45.234, 296.981



39, 3.693, 262.060



32, 55.914, 288.226



4, 13.531, 273.327

Previews

White Background



This preview shows how the CIELCh color 68, 28.160, 75.561 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 CIELCh color 68, 28.160, 75.561 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 68, 28.160, 75.561

Background



This preview shows how black text looks on a background with the CIELCh color 68, 28.160, 75.561.



This preview shows how white text looks on a background with the CIELCh color 68, 28.160, 75.561.

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

68, 28.160, 75.561

Protanopia

68, 26.195, 95.439

Deuteranopia

68, 28.491, 72.893



Tritanopia
68, 18.864, 2.713

Trichromacy



Original Color
68, 28.160, 75.561

Protanomaly
68, 26.714, 88.071

Deuteranomaly
68, 28.231, 73.595

Tritanomaly
68, 17.627, 35.149

Monochromacy



Original Color
68, 28.160, 75.561

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 9.729, 77.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 28.160, 75.561 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(195, 160, 117)` looks like.

```
.text, #text, p{  
    color:rgb(195, 160, 117)  
}
```

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(195, 160, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 160, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 28.160, 75.561 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(195, 160, 117) }
```

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

```
.border{ border-color:rgb(195, 160, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 160, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 160, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 160, 117);  
box-shadow:4px 4px 4px 4px rgb(195, 160,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 28.160, 75.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 160, 117) }
```

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

```
.background{ background-color: rgb(195,  
160, 117) }
```

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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