

Converting Colors

CIELCh(65, 45.385, 110.318)

Have a look what the booklet for
CIELCh(65, 45.385, 110.318)
contains.

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Color

CIELCh(65, 45.357, 110.337)

Conversions

Conversions Part 1

Format	Color
Hex	9BA44F
RGB	155, 164, 79
RGB Percent	61%, 64%, 31%
CMY	0.3925, 0.3572, 0.6905
CMYK	0.05, 0.00, 0.52, 0.36
HSL	66°, 35%, 48%
HSV	66°, 52%, 64%
XYZ	28.1725, 34.0472, 12.4701
YIQ	151.6190, 21.9210, -28.3430

Conversions

Conversions Part 2

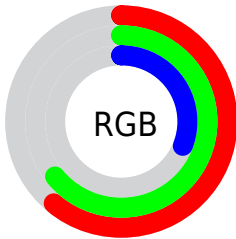
Format	Color
RYB	79, 164, 88
Decimal	10200143
CIELab	65.00, -15.76, 42.53
CIElCh	65, 45.357, 110.337
Yxy	34.0472, 0.3772, 0.4558
Android (android.graphics.Color)	4288390223 (0xFF9BA44F)
YUV	151.6190, -35.8012, 2.9651
Hunter-Lab	58.3500, -15.9291, 28.1740

Details

The CIELCh color $65, 45.357, 110.337$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $38, 52.049, 300.334$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 45.633, 110.357$, and $45, 45.091, 110.002$ is the 20% darker color. If you saturate the color by 10%, you get $65, 52.937, 109.727$, and if you desaturate by 10%, it is $65, 37.148, 111.050$.

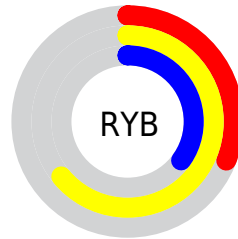
Distribution



Red (61%)

Green (64%)

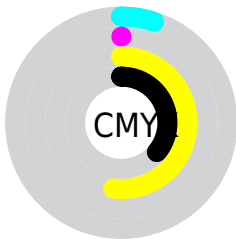
Blue (31%)



Red (31%)

Yellow (64%)

Blue (35%)

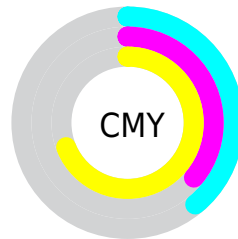


Cyan (5%)

Magenta (0%)

Yellow (52%)

Black (36%)



Cyan (39%)


Magenta (36%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 45.357, 110.337 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, 45.357, 110.337 by changing the saturation by 10% instead.


 65, 45.357,
110.337


 65, 45.357,
110.337


 100, 45.357,
110.337


 55, 45.357,
110.337


 85, 45.357,
110.337

 45, 45.357,
110.337

 95, 45.357,
110.337

 35, 45.357,
110.337

 25, 45.357,
110.337

 15, 45.357,
110.337

 5, 45.357, 110.337

 0, 45.357, 110.337

65, 45.357,
110.337

65, 45.357,
110.337

65, 52.937,
109.727

65, 37.148,
111.050

64, 59.556,
109.268

66, 28.541,
111.817

64, 64.808,
109.027

66, 19.696,
112.610

64, 68.322,
109.066

67, 10.716,
113.407

64, 70.172,
109.260

67, 1.669, 114.184

68, 7.398, 294.966

68, 16.452,
295.701

69, 25.472,
296.404

■ 70, 34.440,
297.071

Harmonies

Complementary

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



65, 45.357, 110.337



38, 52.049, 300.334

Rectangle

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



65, 45.357, 110.337



65, 45.357, 160.337



65, 45.357, 290.337



65, 45.357, 340.337

Sweetspot

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



65, 45.358, 110.339



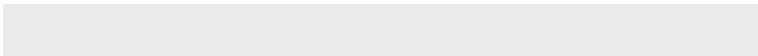
85, 17.967, 113.053



46, 35.945, 31.963



45, 12.102, 112.899



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



65, 45.358, 110.339



82, 65.738, 109.657



62, 50.282, 130.107



34, 5.098, 113.612



57, 64.239, 109.197



5, 7.990, 115.533

Inverse Universe

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



38, 52.049, 300.334



43, 78.705, 302.166



43, 53.158, 314.737



32, 5.207, 295.113



16, 87.403, 306.728



1, 7.971, 293.949

Previews

White Background



This preview shows how the CIELCh color 65, 45.357, 110.337 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 65, 45.357, 110.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

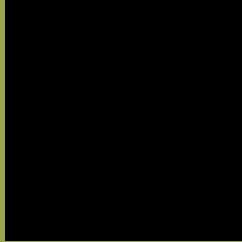
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 45.357, 110.337

Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.357, 110.337.



This preview shows how white text looks on a background with the CIELCh color 65, 45.357, 110.337.

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, 45.357, 110.337

Protanopia
65, 44.077, 96.097

Deuteranopia
65, 42.391, 78.783



Tritanopia
65, 8.380, 320.500

Trichromacy



Original Color
65, 45.357, 110.337

Protanomaly
65, 43.967, 101.375

Deuteranomaly
65, 41.617, 90.792

Tritanomaly
65, 12.767, 103.358

Monochromacy



Original Color
65, 45.357, 110.337

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 17.207, 112.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 45.357, 110.337 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(155, 164, 79)` looks like.

```
.text, #text, p{  
    color:rgb(155, 164, 79)  
}
```

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(155, 164, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 164, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 45.357, 110.337 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(155, 164, 79) }
```

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

```
.border{ border-color:rgb(155, 164, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 164, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 164, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 164, 79);  
box-shadow:4px 4px 4px 4px rgb(155, 164,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 45.357, 110.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 164, 79) }
```

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

```
.background{ background-color: rgb(155,  
164, 79) }
```

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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