

Converting Colors

CIELCh(64, 45.360, 146.115)

Have a look what the booklet for
CIELCh(64, 45.360, 146.115)
contains.

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Color

CIELCh(64, 45.297, 146.141)

Conversions

Conversions Part 1

Format	Color
Hex	5EAB6C
RGB	94, 171, 108
RGB Percent	37%, 67%, 42%
CMY	0.6295, 0.3275, 0.5747
CMYK	0.45, 0.00, 0.37, 0.33
HSL	131°, 32%, 52%
HSV	131°, 45%, 67%
XYZ	22.0468, 32.8017, 19.4791
YIQ	140.7950, -25.6690, -35.9170

Conversions

Conversions Part 2

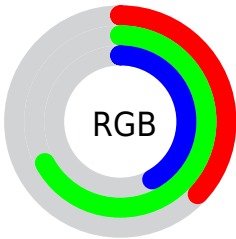
Format	Color
RYB	94, 159, 171
Decimal	6204268
CIELab	64.00, -37.62, 25.24
CIELCh	64, 45.297, 146.141
Yxy	32.8017, 0.2966, 0.4413
Android (android.graphics.Color)	4284394348 (0xFF5EAB6C)
YUV	140.7950, -16.1679, -41.0392
Hunter-Lab	57.2727, -31.5149, 19.9257

Details

The CIELCh color $64, 45.297, 146.141$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $51, 45.299, 332.736$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 45.406, 146.207$, and $44, 45.100, 146.337$ is the 20% darker color. If you saturate the color by 10%, you get $63, 54.592, 144.926$, and if you desaturate by 10%, it is $65, 35.497, 147.204$.

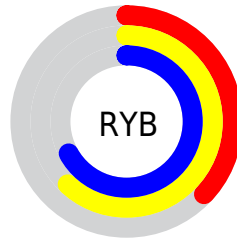
Distribution



Red (37%)

Green (67%)

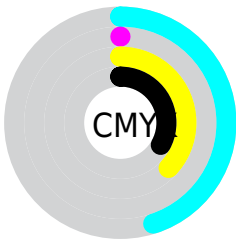
Blue (42%)



Red (37%)

Yellow (62%)

Blue (67%)

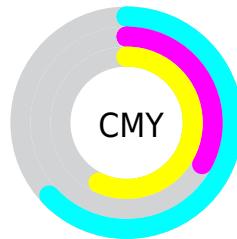


Cyan (45%)

Magenta (0%)

Yellow (37%)

Black (33%)



Cyan (63%)


Magenta (33%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 45.297, 146.141 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 64, 45.297, 146.141 by changing the saturation by 10% instead.


 64, 45.297,
146.141


 64, 45.297,
146.141


 100, 45.297,
146.141


 54, 45.297,
146.141


 84, 45.297,
146.141

 44, 45.297,
146.141

 94, 45.297,
146.141

 34, 45.297,
146.141

 24, 45.297,
146.141

 14, 45.297,
146.141

 4, 45.297, 146.141

 0, 45.297, 146.141

■ 64, 45.297,
146.141

■ 64, 45.297,
146.141

■ 63, 54.592,
144.926

■ 65, 35.497,
147.204

■ 62, 63.151,
143.559

■ 66, 25.395,
148.125

■ 62, 70.744,
142.062

■ 68, 15.170,
148.924

■ 61, 77.148,
140.492

■ 69, 4.963, 149.643

■ 71, 5.116, 330.125

■ 61, 82.176,
138.941

■ 73, 14.991,
330.671

■ 61, 84.252,
138.274

■ 75, 24.608,
331.124

■ 77, 33.938,
331.519

■ 79, 42.964,
331.866

Harmonies

Complementary

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



64, 45.297, 146.141



51, 45.299, 332.736

Rectangle

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



64, 45.297, 146.141



64, 45.297, 196.141



64, 45.297, 326.141



64, 45.297, 16.141

Sweetspot

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



64, 45.298, 146.141



86, 16.297, 149.048



68, 41.421, 113.538



45, 11.506, 148.888



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 45.298, 146.141



80, 66.196, 144.921



65, 30.617, 169.002



36, 5.795, 149.329



54, 76.208, 138.447



6, 12.503, 148.780

Inverse Universe

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



51, 45.299, 332.736



61, 65.740, 333.421



50, 34.382, 359.169



34, 5.812, 330.421



34, 67.840, 336.879



2, 11.628, 332.310

Previews

White Background



This preview shows how the CIELCh color 64, 45.297, 146.141 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 64, 45.297, 146.141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

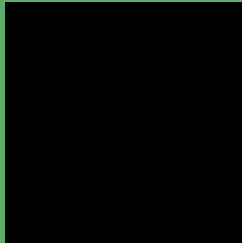
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 45.297, 146.141

Background



This preview shows how black text looks on a background with the CIELCh color 64, 45.297, 146.141.



This preview shows how white text looks on a background with the CIELCh color 64, 45.297, 146.141.

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
64, 45.297, 146.141

Protanopia
64, 29.715, 96.011

Deuteranopia
64, 24.129, 70.811



Tritanopia
64, 18.980, 220.680

Trichromacy



Original Color
64, 45.297, 146.141



Protanomaly
63, 31.668, 121.391



Deuteranomaly
63, 24.953, 114.198



Tritanomaly
64, 23.570, 176.479

Monochromacy



Original Color
64, 45.297, 146.141



Achromatopsia
59, 0.008, 296.813



Achromatomaly
60, 17.041, 148.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 45.297, 146.141 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(94, 171, 108)` looks like.

```
.text, #text, p{  
    color:rgb(94, 171, 108)  
}
```

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(94, 171, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 171, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 45.297, 146.141 is called "border". The border property can be set on classes, ids or directly on the HTML element.

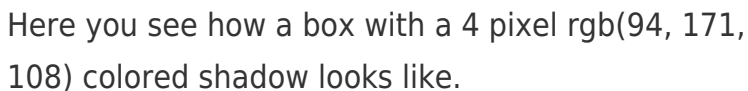
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 171, 108) }
```

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

```
.border{ border-color:rgb(94, 171, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(94, 171, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 171, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 171, 108);  
box-shadow:4px 4px 4px 4px rgb(94, 171,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 45.297, 146.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 171, 108) }
```

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

```
.background{ background-color: rgb(94, 171,  
108) }
```

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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