

Converting Colors

CIELCh(65, 12.165, 144.443)

Have a look what the booklet for
CIELCh(65, 12.165, 144.443)
contains.

CIELCh(65, 12.445, 145.205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 12.445, 145.205)

Conversions

Conversions Part 1

Format	Color
Hex	90A391
RGB	144, 163, 145
RGB Percent	56%, 64%, 57%
CMY	0.4363, 0.3618, 0.4323
CMYK	0.12, 0.00, 0.11, 0.36
HSL	123°, 9%, 60%
HSV	123°, 12%, 64%
XYZ	29.6014, 34.0472, 31.6989
YIQ	155.2670, -5.5460, -9.6260

Conversions

Conversions Part 2

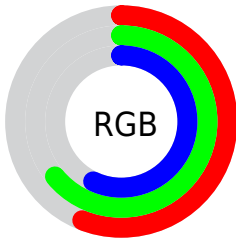
Format	Color
RYB	144, 162, 163
Decimal	9479057
CIELab	65.00, -10.22, 7.10
CIElCh	65, 12.445, 145.205
Yxy	34.0472, 0.3105, 0.3571
Android (android.graphics.Color)	4287669137 (0xFF90A391)
YUV	155.2670, -5.0616, -9.8812
Hunter-Lab	58.3500, -11.5578, 8.6354

Details

The CIELCh color $65, 12.445, 145.205$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 12.466, 326.509$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 12.414, 145.283$, and $45, 11.905, 145.166$ is the 20% darker color. If you saturate the color by 10%, you get $64, 23.195, 144.487$, and if you desaturate by 10%, it is $67, 1.765, 145.923$.

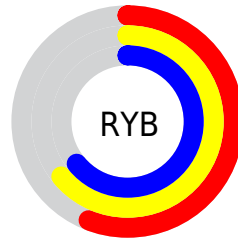
Distribution



Red (56%)

Green (64%)

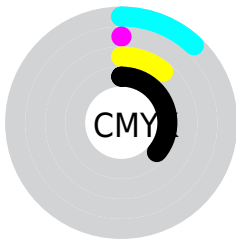
Blue (57%)



Red (56%)

Yellow (64%)

Blue (64%)

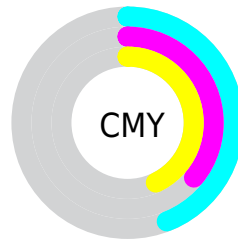


Cyan (12%)

Magenta (0%)

Yellow (11%)

Black (36%)



Cyan (44%)


Magenta (36%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 12.445, 145.205 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, 12.445, 145.205 by changing the saturation by 10% instead.


 65, 12.445,
145.205


 65, 12.445,
145.205


 100, 12.445,
145.205


 55, 12.445,
145.205


 85, 12.445,
145.205

 45, 12.445,
145.205

 95, 12.445,
145.205

 35, 12.445,
145.205

 25, 12.445,
145.205

 15, 12.445,
145.205

 5, 12.445, 145.205

 0, 12.445, 145.205

65, 12.445,
145.205

65, 12.445,
145.205

64, 23.195,
144.487

67, 1.765, 145.923

62, 33.864,
143.657

68, 8.743, 326.281

61, 44.259,
142.702

70, 19.005,
326.736

60, 54.138,
141.623

72, 28.974,
327.116

59, 63.211,
140.443

74, 38.628,
327.441

59, 71.143,
139.216

77, 47.955,
327.720


59, 77.575,
138.039

79, 56.533,
327.115

58, 82.174,

79, 57.492,
326.402

137.039

 58, 84.575,
136.512

Harmonies

Complementary

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



65, 12.445, 145.205



62, 12.466, 326.509

Rectangle

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



65, 12.445, 145.205



65, 12.445, 195.205



65, 12.445, 325.205



65, 12.445, 15.205

Sweetspot

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



65, 12.447, 145.205



84, 5.250, 145.709



66, 10.465, 111.131



45, 3.764, 145.658



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, 12.447, 145.205



82, 18.514, 145.029



65, 8.664, 165.476



34, 6.036, 145.364



52, 77.713, 136.583



4, 9.392, 145.746

Inverse Universe

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



62, 12.466, 326.509



77, 18.539, 326.655



62, 8.825, 347.407



32, 6.047, 326.371



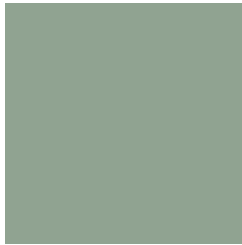
34, 73.002, 330.401



2, 9.254, 326.360

Previews

White Background



This preview shows how the CIELCh color 65, 12.445, 145.205 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, 12.445, 145.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

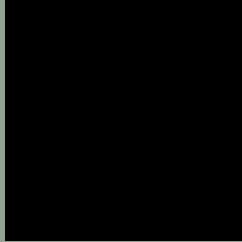
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

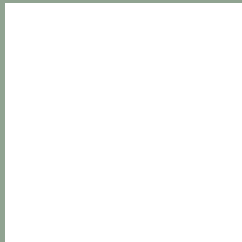
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 12.445, 145.205

Background



This preview shows how black text looks on a background with the CIELCh color 65, 12.445, 145.205.



This preview shows how white text looks on a background with the CIELCh color 65, 12.445, 145.205.

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](#).

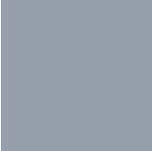
Dichromacy



Original Color
65, 12.445, 145.205

Protanopia
65, 8.752, 90.664

Deuteranopia
65, 10.378, 35.649



Tritanopia
65, 7.694, 259.581

Trichromacy



Original Color
65, 12.445, 145.205

Protanomaly
65, 8.889, 114.322

Deuteranomaly
65, 6.576, 76.762

Tritanomaly
65, 5.228, 205.153

Monochromacy



Original Color
65, 12.445, 145.205

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.753, 144.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 12.445, 145.205 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(144, 163, 145)` looks like.

```
.text, #text, p{  
    color:rgb(144, 163, 145)  
}
```

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(144, 163, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 163, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 12.445, 145.205 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(144, 163, 145) }
```

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

```
.border{ border-color:rgb(144, 163, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 163, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 163, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 163, 145);  
box-shadow:4px 4px 4px 4px rgb(144, 163,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 12.445, 145.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 163, 145) }
```

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

```
.background{ background-color: rgb(144,  
163, 145) }
```

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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