

Converting Colors

CIELCh(56, 65.621, 135.044)

Have a look what the booklet for
CIELCh(56, 65.621, 135.044)
contains.

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Color

CIELCh(56, 65.612, 135.023)

Conversions

Conversions Part 1

Format	Color
Hex	41982D
RGB	65, 152, 45
RGB Percent	25%, 60%, 18%
CMY	0.7434, 0.4024, 0.8220
CMYK	0.57, 0.00, 0.70, 0.40
HSL	109°, 54%, 39%
HSV	109°, 70%, 60%
XYZ	13.9798, 23.9124, 6.3999
YIQ	113.7890, -17.5050, -51.7210

Conversions

Conversions Part 2

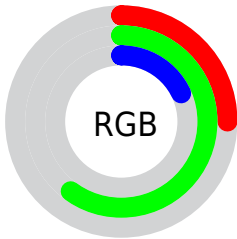
Format	Color
R_{YB}	45, 152, 132
Decimal	4298797
CIE _{Lab}	56.00, -46.41, 46.38
CIE _{LCh}	56, 65.612, 135.023
Yxy	23.9124, 0.3156, 0.5399
Android (android.graphics.Color)	4282488877 (0xFF41982D)
YUV	113.7890, -33.9130, -42.7880
Hunter-Lab	48.9003, -34.5452, 26.4706

Details

The CIELCh color **56, 65.612, 135.023** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **36, 66.595, 321.745**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 65.388, 134.997**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **56, 72.119, 134.631**, and if you desaturate by 10%, it is **57, 57.780, 135.611**.

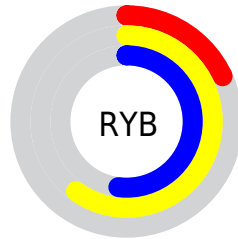
Distribution



Red (25%)

Green (60%)

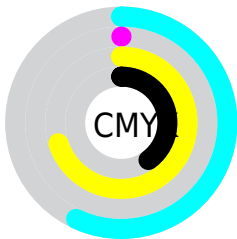
Blue (18%)



Red (18%)

Yellow (60%)

Blue (52%)

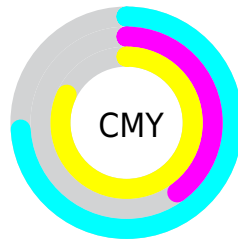


Cyan (57%)

Magenta (0%)

Yellow (70%)

Black (40%)



Cyan (74%)


Magenta (40%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 65.612, 135.023 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 56, 65.612, 135.023 by changing the saturation by 10% instead.


 56, 65.612,
135.023


 56, 65.612,
135.023


 100, 65.612,
135.023


 46, 65.612,
135.023


 76, 65.612,
135.023

 36, 65.612,
135.023

 86, 65.612,
135.023

 26, 65.612,
135.023

 96, 65.612,
135.023

 16, 65.612,
135.023

 6, 65.612, 135.023

 0, 65.612, 135.023

■ 56, 65.612,
135.023

■ 56, 65.612,
135.023

■ 56, 72.119,
134.631

■ 57, 57.780,
135.611

■ 55, 76.907,
134.552

■ 57, 49.015,
136.284

■ 55, 80.089,
134.661

■ 58, 39.643,
136.967

■ 59, 29.913,
137.615

■ 60, 20.011,
138.207

■ 62, 10.075,
138.740

■ 63, 0.207, 140.018

■ 64, 9.522, 319.561

■ 66, 19.061,
319.913

Harmonies

Complementary

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



56, 65.612, 135.023



36, 66.595, 321.745

Rectangle

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



56, 65.612, 135.023



56, 65.612, 185.023



56, 65.612, 315.023



56, 65.612, 5.023

Sweetspot

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



56, 65.612, 135.024



77, 25.829, 138.139



55, 47.352, 92.103



40, 17.441, 137.995



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



56, 65.612, 135.024



71, 91.312, 134.542



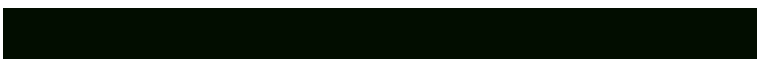
56, 56.090, 146.790



32, 5.587, 138.790



51, 75.312, 134.592



3, 6.029, 139.285

Inverse Universe

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



36, 66.595, 321.745



43, 91.964, 321.686



38, 55.148, 340.142



30, 5.616, 319.573



28, 75.300, 321.300



1, 6.001, 318.785

Previews

White Background



This preview shows how the CIELCh color 56, 65.612, 135.023 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 65.612, 135.023 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 × Fail

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

CIELCh 56, 65.612, 135.023

Background



This preview shows how black text looks on a background with the CIELCh color 56, 65.612, 135.023.



This preview shows how white text looks on a background with the CIELCh color 56, 65.612, 135.023.

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

56, 65.612, 135.023

Protanopia

56, 50.201, 95.992

Deuteranopia

56, 44.395, 80.626



Tritanopia
56, 18.901, 219.384

Trichromacy



Original Color
56, 65.612, 135.023



Protanomaly
55, 52.747, 114.938



Deuteranomaly
55, 45.432, 108.702



Tritanomaly
56, 30.298, 160.794

Monochromacy



Original Color
56, 65.612, 135.023



Achromatopsia
48, 0.006, 296.813



Achromatomaly
50, 26.214, 137.844

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 65.612, 135.023 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(65, 152, 45)` looks like.

```
.text, #text, p{  
    color:rgb(65, 152, 45)  
}
```

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(65, 152, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 152, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 65.612, 135.023 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(65, 152, 45) }
```

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

```
.border{ border-color:rgb(65, 152, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 152, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 152, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 152, 45);  
box-shadow:4px 4px 4px 4px rgb(65, 152,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 65.612, 135.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 152, 45) }
```

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

```
.background{ background-color: rgb(65, 152,  
45) }
```

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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