

Converting Colors

CIELCh(50, 53.439, 145.712)

Have a look what the booklet for
CIELCh(50, 53.439, 145.712)
contains.

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Color

CIELCh(50, 53.295, 145.738)

Conversions

Conversions Part 1

Format	Color
Hex	268841
RGB	38, 136, 65
RGB Percent	15%, 53%, 25%
CMY	0.8507, 0.4665, 0.7449
CMYK	0.72, 0.00, 0.52, 0.47
HSL	137°, 56%, 34%
HSV	137°, 72%, 53%
XYZ	10.5688, 18.4187, 8.0063
YIQ	98.6040, -35.6170, -42.8570

Conversions

Conversions Part 2

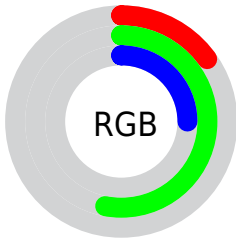
Format	Color
R_{YB}	38, 115, 136
Decimal	2525249
CIE _{Lab}	50.00, -44.05, 30.00
CIE _{LCh}	50, 53.295, 145.738
Y _{xy}	18.4187, 0.2857, 0.4979
Android (android.graphics.Color)	4280715329 (0xFF268841)
YUV	98.6040, -16.5668, -53.1497
Hunter-Lab	42.9170, -31.1469, 18.9811

Details

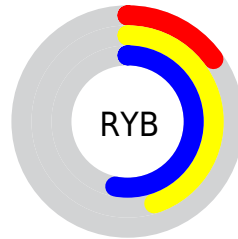
The CIELCh color **50, 53.295, 145.738** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **33, 52.085, 338.983**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 53.324, 145.669**, and **31, 48.581, 140.330** is the 20% darker color. If you saturate the color by 10%, you get **50, 58.834, 144.063**, and if you desaturate by 10%, it is **51, 47.026, 147.257**.

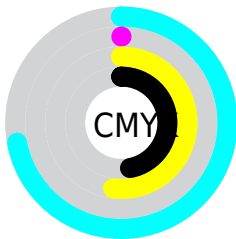
Distribution



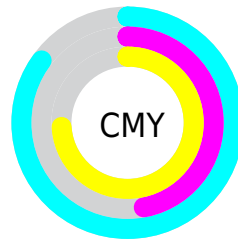
- Red (15%)
- Green (53%)
- Blue (25%)



- Red (15%)
- Yellow (45%)
- Blue (53%)



- Cyan (72%)
- Magenta (0%)
- Yellow (52%)
- Black (47%)





- Cyan (85%)
- Magenta (47%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 53.295, 145.738 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 50, 53.295, 145.738 by changing the saturation by 10% instead.


 50, 53.295,
145.738


 50, 53.295,
145.738


 100, 53.295,
145.738


 40, 53.295,
145.738


 70, 53.295,
145.738

 30, 53.295,
145.738


 80, 53.295,
145.738


 20, 53.295,
145.738

 90, 53.295,
145.738

 10, 53.295,
145.738

 0, 53.295, 145.738

 50, 53.295,
145.738

 50, 53.295,
145.738

■ 50, 58.834,
144.063

■ 51, 47.026,
147.257

■ 49, 63.543,
142.274

■ 51, 40.152,
148.607

■ 49, 66.800,
140.941

■ 52, 32.816,
149.792

■ 53, 25.165,
150.827

■ 54, 17.334,
151.729

■ 55, 9.438, 152.523

■ 56, 1.573, 153.340

■ 58, 6.188, 333.743

■ 59, 13.792,
334.298

Harmonies

Complementary

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



50, 53.295, 145.738



33, 52.085, 338.983

Rectangle

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



50, 53.295, 145.738



50, 53.295, 195.738



50, 53.295, 325.738



50, 53.295, 15.738

Sweetspot

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



50, 53.295, 145.738



68, 21.364, 151.690



53, 52.713, 116.942



36, 14.467, 151.491



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 53.295, 145.738



63, 74.492, 143.028



51, 33.903, 172.845



28, 4.467, 152.736



48, 65.489, 140.992



1, 2.068, 153.313

Inverse Universe

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



33, 52.085, 338.983



41, 69.301, 340.880



32, 44.142, 13.148



27, 4.487, 333.864



29, 58.016, 342.586



0, 2.068, 333.306

Previews

White Background



This preview shows how the CIELCh color 50, 53.295, 145.738 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 50, 53.295, 145.738 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 50, 53.295, 145.738

Background



This preview shows how black text looks on a background with the CIELCh color 50, 53.295, 145.738.



This preview shows how white text looks on a background with the CIELCh color 50, 53.295, 145.738.

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

50, 53.295, 145.738

Protanopia

50, 34.105, 95.349

Deuteranopia

50, 28.399, 77.330



Tritanopia
50, 21.294, 213.556

Trichromacy



Original Color
50, 53.295, 145.738

Protanomaly
49, 38.134, 124.506

Deuteranomaly
48, 30.569, 119.754

Tritanomaly
50, 29.093, 172.626

Monochromacy



Original Color
50, 53.295, 145.738

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 20.782, 151.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 53.295, 145.738 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(38, 136, 65)` looks like.

```
.text, #text, p{  
    color:rgb(38, 136, 65)  
}
```

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(38, 136, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 136, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 53.295, 145.738 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(38, 136, 65) }
```

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

```
.border{ border-color:rgb(38, 136, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 136, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 136, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 136, 65);  
box-shadow:4px 4px 4px 4px rgb(38, 136,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 53.295, 145.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 136, 65) }
```

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

```
.background{ background-color: rgb(38, 136,  
65) }
```

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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