

Converting Colors

CIELCh(54, 78.662, 135.233)

Have a look what the booklet for
CIELCh(54, 78.662, 135.233)
contains.

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Color

CIELCh(54, 78.710, 135.221)

Conversions

Conversions Part 1

Format	Color
Hex	199605
RGB	25, 150, 5
RGB Percent	10%, 59%, 2%
CMY	0.9032, 0.4124, 0.9815
CMYK	0.84, 0.00, 0.97, 0.41
HSL	112°, 94%, 30%
HSV	112°, 97%, 59%
XYZ	11.2995, 21.9746, 3.7808
YIQ	96.0950, -27.9550, -71.5950

Conversions

Conversions Part 2

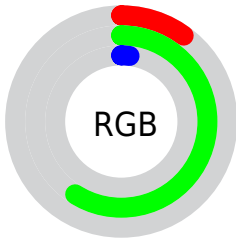
Format	Color
RYB	5, 150, 130
Decimal	1676805
CIELab	54.00, -55.87, 55.44
CIELCh	54, 78.710, 135.221
Yxy	21.9746, 0.3049, 0.5930
Android (android.graphics.Color)	4279866885 (0xFF199605)
YUV	96.0950, -44.9098, -62.3503
Hunter-Lab	46.8770, -39.0083, 28.0320

Details

The CIELCh color **54, 78.710, 135.221** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **32, 77.728, 323.108**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 78.588, 135.223**, and **35, 59.004, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **54, 79.630, 135.159**, and if you desaturate by 10%, it is **54, 75.250, 135.282**.

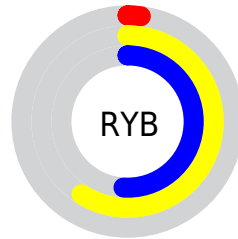
Distribution



Red (10%)

Green (59%)

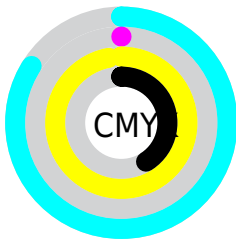
Blue (2%)



Red (2%)

Yellow (59%)

Blue (51%)

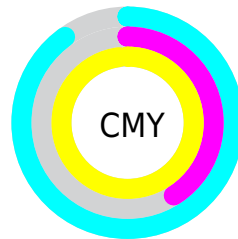


Cyan (84%)

Magenta (0%)

Yellow (97%)

Black (41%)



Cyan (90%)

Magenta (41%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 78.710, 135.221 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 54, 78.710, 135.221 by changing the saturation by 10% instead.

 54, 78.710,
135.221

 54, 78.710,
135.221

 100, 78.710,
135.221

 44, 78.710,
135.221


 74, 78.710,
135.221

 34, 78.710,
135.221

 84, 78.710,
135.221

 24, 78.710,
135.221

 94, 78.710,
135.221

 14, 78.710,
135.221

 4, 78.710, 135.221

 0, 78.710, 135.221

■ 54, 78.710,
135.221

■ 54, 78.710,
135.221

■ 54, 79.630,
135.159

■ 54, 75.250,
135.282

■ 55, 69.976,
135.639

■ 55, 63.076,
136.248

■ 56, 54.953,
136.987

■ 57, 45.983,
137.760

■ 57, 36.470,
138.504

■ 59, 26.650,
139.188

■ 60, 16.702,

139.800

■ 61, 6.759, 140.348

Harmonies

Complementary

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



54, 78.710, 135.221



32, 77.728, 323.108

Rectangle

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



54, 78.710, 135.221



54, 78.710, 185.221



54, 78.710, 315.221



54, 78.710, 5.221

Sweetspot

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



54, 78.710, 135.222



74, 35.477, 139.009



54, 58.329, 92.614



38, 24.249, 138.746



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



54, 78.710, 135.222



69, 96.489, 135.303



54, 66.812, 143.727



31, 5.516, 140.224



50, 74.814, 135.100



2, 4.810, 140.645

Inverse Universe

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



32, 77.728, 323.108



41, 95.021, 322.936



33, 60.118, 347.612



29, 5.539, 321.042



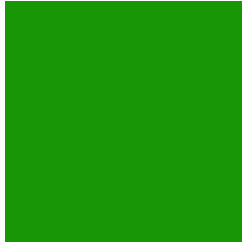
29, 73.845, 323.072



1, 4.810, 320.641

Previews

White Background



This preview shows how the CIELCh color 54, 78.710, 135.221 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 CIE LCh color 54, 78.710, 135.221 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 54, 78.710, 135.221

Background



This preview shows how black text looks on a background with the CIELCh color 54, 78.710, 135.221.



This preview shows how white text looks on a background with the CIELCh color 54, 78.710, 135.221.

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

54, 78.710, 135.221

Protanopia

54, 58.999, 95.371

Deuteranopia

54, 51.534, 82.585



Tritanopia
54, 23.298, 214.867

Trichromacy



Original Color
54, 78.710, 135.221



Protanomaly
53, 63.250, 117.820



Deuteranomaly
52, 55.683, 113.449



Tritanomaly
53, 41.376, 157.042

Monochromacy



Original Color
54, 78.710, 135.221



Achromatopsia
41, 0.006, 296.813



Achromatomaly
44, 36.502, 138.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 78.710, 135.221 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(25, 150, 5)` looks like.

```
.text, #text, p{  
    color:rgb(25, 150, 5)  
}
```

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(25, 150, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 150, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 78.710, 135.221 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(25, 150, 5) }
```

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

```
.border{ border-color:rgb(25, 150, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 150, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 150, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 150, 5);  
box-shadow:4px 4px 4px 4px rgb(25, 150, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 78.710, 135.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 150, 5) }
```

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

```
.background{ background-color: rgb(25, 150,  
5) }
```

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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