

Converting Colors

CIELCh(54, 75.310, 286.692)

Have a look what the booklet for
CIELCh(54, 75.310, 286.692)
contains.

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Color

CIELCh(54, 75.010, 286.512)

Conversions

Conversions Part 1

Format	Color
Hex	167DFF
RGB	22, 125, 255
RGB Percent	9%, 49%, 100%
CMY	0.9138, 0.5108, 0.0012
CMYK	0.91, 0.51, 0.00, 0.00
HSL	214°, 100%, 54%
HSV	214°, 91%, 100%
XYZ	25.6336, 21.9746, 97.2481
YIQ	109.0230, -103.1180, 18.5940

Conversions

Conversions Part 2

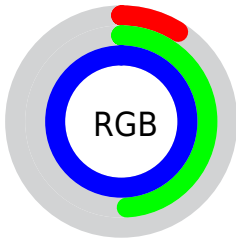
Format	Color
RYP	22, 93, 255
Decimal	1474047
CIELab	54.00, 21.32, -71.92
CIElCh	54, 75.010, 286.512
Yxy	21.9746, 0.1770, 0.1517
Android (android.graphics.Color)	4279664127 (0xFF167DFF)
YUV	109.0230, 71.9667, -76.3192
Hunter-Lab	46.8770, 15.5739, -90.1854

Details

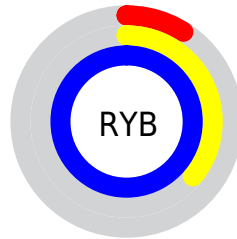
The CIELCh color **54, 75.010, 286.512** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **72, 80.067, 67.369**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 44.573, 273.033**, and **37, 73.484, 293.230** is the 20% darker color. If you saturate the color by 10%, you get **51, 82.568, 290.158**, and if you desaturate by 10%, it is **58, 66.479, 282.267**.

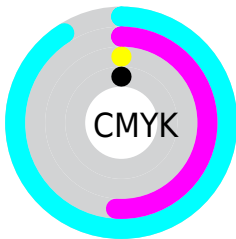
Distribution



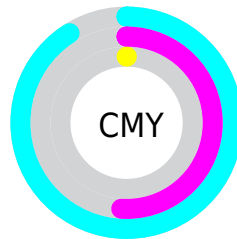
- Red (9%)
- Green (49%)
- Blue (100%)



- Red (9%)
- Yellow (36%)
- Blue (100%)



- Cyan (91%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (51%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 75.010, 286.512 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, 75.010, 286.512 by changing the saturation by 10% instead.


 54, 75.010,
286.512


 54, 75.010,
286.512


 100, 75.010,
286.512


 44, 75.010,
286.512


 74, 75.010,
286.512

 34, 75.010,
286.512

 84, 75.010,
286.512

 24, 75.010,
286.512

 94, 75.010,
286.512

 14, 75.010,
286.512

 4, 75.010, 286.512

 0, 75.010, 286.512

■ 54, 75.010,
286.512

■ 54, 75.010,
286.512

■ 51, 82.568,
290.158

■ 58, 66.479,
282.267

■ 63, 58.165,
278.281

■ 68, 49.993,
274.695

■ 73, 41.883,
271.563

■ 78, 33.775,
268.879

■ 83, 25.644,
266.603

■ 88, 17.484,
264.681

■ 94, 9.307, 263.068

Harmonies

Complementary

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



54, 75.010, 286.512



72, 80.067, 67.369

Rectangle

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



54, 75.010, 286.512



54, 75.010, 336.512



54, 75.010, 106.512



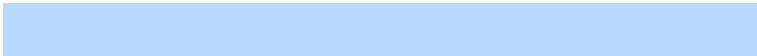
54, 75.010, 156.512

Sweetspot

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



54, 75.010, 286.514



86, 22.101, 265.723



89, 80.958, 153.303



44, 14.887, 266.405



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 75.010, 286.514



51, 82.646, 290.160



34, 128.990, 305.891



50, 4.658, 262.800



38, 65.361, 289.391



11, 26.358, 283.318

Inverse Universe

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



55, 82.806, 4.605



54, 84.488, 8.702



96, 95.216, 105.904



50, 6.144, 347.719



41, 68.013, 7.756



10, 31.443, 1.284

Previews

White Background



This preview shows how the CIE LCh color 54, 75.010, 286.512 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 54, 75.010, 286.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

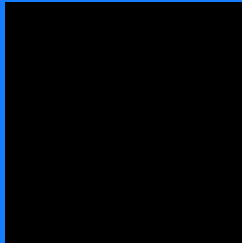
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

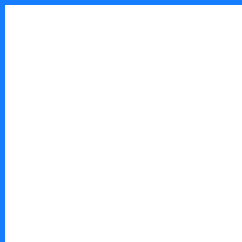
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 75.010, 286.512

Background



This preview shows how black text looks on a background with the CIELCh color 54, 75.010, 286.512.



This preview shows how white text looks on a background with the CIELCh color 54, 75.010, 286.512.

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, 75.018, 286.477

Protanopia

54, 74.310, 287.576

Deuteranopia

54, 57.186, 276.107



Tritanopia
54, 31.340, 207.379

Trichromacy



Original Color
54, 75.018, 286.477

Protanomaly
54, 74.946, 287.270

Deuteranomaly
54, 63.330, 280.382

Tritanomaly
53, 37.813, 252.840

Monochromacy



Original Color
54, 75.018, 286.477

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 29.394, 270.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 75.010, 286.512 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(22, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 125, 255)  
}
```

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(22, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 125, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 75.010, 286.512 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(22, 125, 255) }
```

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

```
.border{ border-color:rgb(22, 125, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 125,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 75.010, 286.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 125, 255) }
```

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

```
.background{ background-color: rgb(22, 125,  
255) }
```

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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