

Converting Colors

CIELCh(54, 42.367, 265.960)

Have a look what the booklet for
CIELCh(54, 42.367, 265.960)
contains.

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Color

CIELCh(54, 42.700, 266.443)

Conversions

Conversions Part 1

Format	Color
Hex	2D86CA
RGB	45, 134, 202
RGB Percent	18%, 53%, 79%
CMY	0.8251, 0.4732, 0.2064
CMYK	0.78, 0.34, 0.00, 0.21
HSL	206°, 64%, 48%
HSV	206°, 78%, 79%
XYZ	20.3408, 21.9746, 59.2772
YIQ	115.1410, -74.8720, 2.2800

Conversions

Conversions Part 2

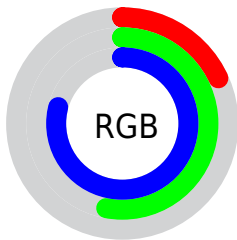
Format	Color
R _Y B	45, 102, 202
Decimal	2983626
CIE Lab	54.00, -2.65, -42.62
CIE LCh	54, 42.700, 266.443
Yxy	21.9746, 0.2002, 0.2163
Android (android.graphics.Color)	4281173706 (0xFF2D86CA)
YUV	115.1410, 42.8215, -61.5137
Hunter-Lab	46.8770, -4.5803, -42.1598

Details

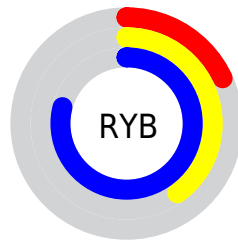
The CIELCh color **54, 42.700, 266.443** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **57, 59.399, 59.191**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 40.655, 264.644**, and **35, 40.226, 274.271** is the 20% darker color. If you saturate the color by 10%, you get **51, 47.342, 270.976**, and if you desaturate by 10%, it is **57, 37.970, 262.422**.

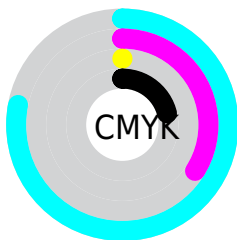
Distribution



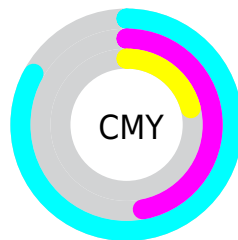
- Red (18%)
- Green (53%)
- Blue (79%)



- Red (18%)
- Yellow (40%)
- Blue (79%)



- Cyan (78%)
- Magenta (34%)
- Yellow (0%)
- Black (21%)



- Cyan (83%)
- Magenta (47%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 42.700, 266.443 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, 42.700, 266.443 by changing the saturation by 10% instead.

■ 54, 42.700,
266.443

■ 54, 42.700,
266.443

■ 100, 42.700,
266.443

■ 44, 42.700,
266.443

■ 74, 42.700,
266.443

■ 34, 42.700,
266.443

■ 84, 42.700,
266.443

■ 24, 42.700,
266.443

■ 94, 42.700,
266.443

■ 14, 42.700,
266.443

■ 4, 42.700, 266.443

■ 0, 42.700, 266.443

■ 54, 42.700,
266.443

■ 54, 42.700,
266.443

■ 51, 47.342,
270.976

■ 57, 37.970,
262.422

■ 48, 52.045,
275.822

■ 60, 33.052,
258.963

■ 48, 53.037,
276.770

■ 64, 27.891,
256.050

■ 67, 22.473,
253.625

■ 71, 16.813,
251.621

■ 75, 10.945,
249.971

■ 78, 4.908, 248.638

■ 82, 1.260, 67.063

Harmonies

Complementary

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



54, 42.700, 266.443



57, 59.399, 59.191

Rectangle

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



54, 42.700, 266.443



54, 42.700, 316.443



54, 42.700, 86.443



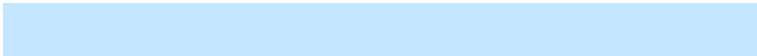
54, 42.700, 136.443

Sweetspot

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



54, 42.699, 266.444



90, 16.792, 250.813



72, 69.164, 149.786



46, 11.564, 251.443



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, 42.699, 266.444



61, 60.417, 274.527



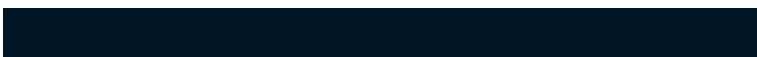
34, 88.172, 301.041



41, 3.514, 248.808



39, 45.156, 276.007



6, 13.886, 264.079

Inverse Universe

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



47, 67.944, 349.643



56, 85.814, 354.336



76, 69.533, 98.779



40, 5.567, 340.811



36, 62.590, 355.328



4, 20.699, 349.158

Previews

White Background



This preview shows how the CIE LCh color 54, 42.700, 266.443 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, 42.700, 266.443 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, 42.700, 266.443

Background



This preview shows how black text looks on a background with the CIELCh color 54, 42.700, 266.443.



This preview shows how white text looks on a background with the CIELCh color 54, 42.700, 266.443.

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, 42.654, 266.588

Protanopia

54, 40.004, 285.548

Deuteranopia

54, 44.553, 280.720



Tritanopia
54, 31.454, 208.432

Trichromacy



Original Color
54, 42.654, 266.588

Protanomaly
54, 41.019, 276.849

Deuteranomaly
54, 43.699, 275.140

Tritanomaly
54, 31.954, 233.055

Monochromacy



Original Color
54, 42.654, 266.588

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 17.980, 253.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 42.700, 266.443 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(45, 134, 202)` looks like.

```
.text, #text, p{  
    color:rgb(45, 134, 202)  
}
```

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(45, 134, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 134, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 42.700, 266.443 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(45, 134, 202) }
```

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

```
.border{ border-color:rgb(45, 134, 202) }
```

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

Here you see how a box with a 4 pixel rgb(45, 134, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 134, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 134, 202);  
box-shadow:4px 4px 4px 4px rgb(45, 134,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 42.700, 266.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 134, 202) }
```

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

```
.background{ background-color: rgb(45, 134,  
202) }
```

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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