

Converting Colors

CIELCh(50, 55.503, 280.441)

Have a look what the booklet for
CIELCh(50, 55.503, 280.441)
contains.

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Color

CIELCh(50, 55.344, 280.287)

Conversions

Conversions Part 1

Format	Color
Hex	2977D4
RGB	41, 119, 212
RGB Percent	16%, 47%, 83%
CMY	0.8392, 0.5333, 0.1686
CMYK	0.81, 0.44, 0.00, 0.17
HSL	213°, 68%, 50%
HSV	213°, 81%, 83%
XYZ	19.3951, 18.4187, 64.8210
YIQ	106.2800, -76.3410, 12.3870

Conversions

Conversions Part 2

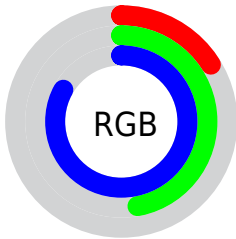
Format	Color
R _Y B	41, 95, 212
Decimal	2717652
CIE Lab	50.00, 9.88, -54.45
CIE LCh	50, 55.344, 280.287
Yxy	18.4187, 0.1890, 0.1795
Android (android.graphics.Color)	4280907732 (0xFF2977D4)
YUV	106.2800, 52.1200, -57.2506
Hunter-Lab	42.9170, 5.5632, -59.5087

Details

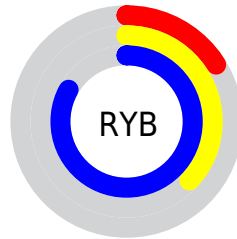
The CIELCh color **50, 55.344, 280.287** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **63, 62.932, 68.694**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 47.621, 275.932**, and **32, 53.836, 287.294** is the 20% darker color. If you saturate the color by 10%, you get **46, 62.378, 284.530**, and if you desaturate by 10%, it is **54, 48.470, 276.348**.

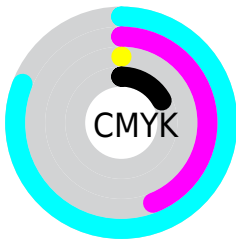
Distribution



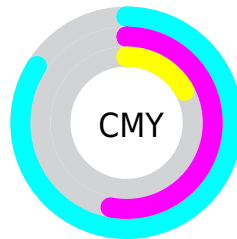
- Red (16%)
- Green (47%)
- Blue (83%)



- Red (16%)
- Yellow (37%)
- Blue (83%)



- Cyan (81%)
- Magenta (44%)
- Yellow (0%)
- Black (17%)





- Cyan (84%)
- Magenta (53%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 55.344, 280.287 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, 55.344, 280.287 by changing the saturation by 10% instead.


 50, 55.344,
280.287


 50, 55.344,
280.287


 100, 55.344,
280.287


 40, 55.344,
280.287


 70, 55.344,
280.287

 30, 55.344,
280.287


 80, 55.344,
280.287


 20, 55.344,
280.287

 90, 55.344,
280.287

 10, 55.344,
280.287

 0, 55.344, 280.287

 50, 55.344,
280.287

 50, 55.344,
280.287

46, 62.378,
284.530

54, 48.470,
276.348

43, 69.152,
288.502

58, 41.680,
272.829

62, 34.905,
269.768

67, 28.099,
267.152

71, 21.246,
264.935

76, 14.346,
263.065

80, 7.412, 261.497

85, 0.463, 260.851

89, 6.484, 78.888

Harmonies

Complementary

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



50, 55.344, 280.287



63, 62.932, 68.694

Rectangle

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



50, 55.344, 280.287



50, 55.344, 330.287



50, 55.344, 100.287



50, 55.344, 150.287

Sweetspot

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



50, 55.344, 280.288



87, 19.351, 263.701



76, 65.824, 154.894



45, 13.283, 264.379



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 55.344, 280.288



53, 77.815, 287.725



32, 102.154, 304.304



43, 3.983, 261.325



35, 57.974, 287.819



6, 18.288, 276.753

Inverse Universe

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



48, 68.675, 358.925



55, 83.961, 5.851



82, 78.219, 105.159



42, 5.373, 346.856



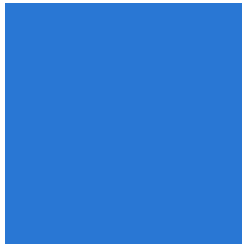
36, 62.541, 5.917



5, 23.128, 357.165

Previews

White Background



This preview shows how the CIE LCh color 50, 55.344, 280.287 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, 55.344, 280.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

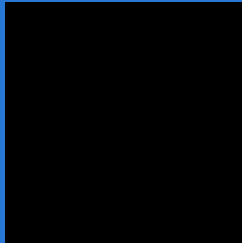
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

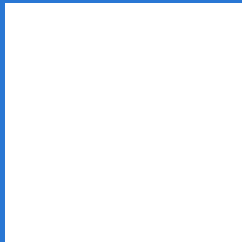
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 55.344, 280.287

Background



This preview shows how black text looks on a background with the CIELCh color 50, 55.344, 280.287.



This preview shows how white text looks on a background with the CIELCh color 50, 55.344, 280.287.

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, 55.344, 280.287

Protanopia

50, 54.571, 286.524

Deuteranopia

50, 55.121, 278.290



Tritanopia
50, 29.523, 208.237

Trichromacy



Original Color
50, 55.344, 280.287

Protanomaly
50, 54.867, 284.052

Deuteranomaly
50, 55.018, 278.718

Tritanomaly
50, 32.429, 244.586

Monochromacy



Original Color
50, 55.344, 280.287

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 21.912, 267.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 55.344, 280.287 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(41, 119, 212)` looks like.

```
.text, #text, p{  
    color:rgb(41, 119, 212)  
}
```

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(41, 119, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 119, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 55.344, 280.287 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(41, 119, 212) }
```

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

```
.border{ border-color:rgb(41, 119, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 119, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 119, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 119, 212);  
box-shadow:4px 4px 4px 4px rgb(41, 119,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 55.344, 280.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 119, 212) }
```

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

```
.background{ background-color: rgb(41, 119,  
212) }
```

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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