

Converting Colors

CIELCh(44, 57.238, 285.562)

Have a look what the booklet for
CIELCh(44, 57.238, 285.562)
contains.

CIELCh(44, 57.145, 285.536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(44, 57.145, 285.536)

Conversions

Conversions Part 1

Format	Color
Hex	2A65C4
RGB	42, 101, 196
RGB Percent	16%, 40%, 77%
CMY	0.8339, 0.6032, 0.2305
CMYK	0.78, 0.48, 0.00, 0.23
HSL	217°, 64%, 47%
HSV	217°, 78%, 77%
XYZ	15.6290, 13.8382, 54.2003
YIQ	94.1890, -65.6590, 17.0370

Conversions

Conversions Part 2

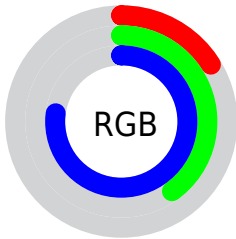
Format	Color
R_{YB}	42, 85, 196
Decimal	2778564
CIE _{Lab}	44.00, 15.31, -55.06
CIE _{LCh}	44, 57.145, 285.536
Yxy	13.8382, 0.1868, 0.1654
Android (android.graphics.Color)	4280968644 (0xFF2A65C4)
YUV	94.1890, 50.1928, -45.7698
Hunter-Lab	37.1997, 9.8950, -60.3462

Details

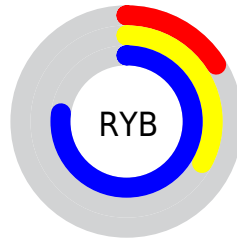
The CIELCh color **44, 57.145, 285.536** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **62, 58.195, 75.830**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 57.151, 285.677**, and **26, 55.912, 292.195** is the 20% darker color. If you saturate the color by 10%, you get **40, 65.025, 289.373**, and if you desaturate by 10%, it is **48, 49.466, 281.953**.

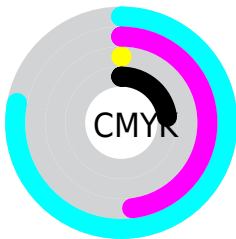
Distribution



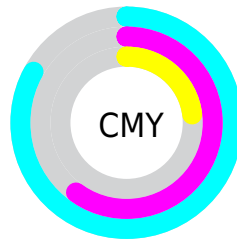
- Red (16%)
- Green (40%)
- Blue (77%)



- Red (16%)
- Yellow (33%)
- Blue (77%)



- Cyan (78%)
- Magenta (48%)
- Yellow (0%)
- Black (23%)



- Cyan (83%)
- Magenta (60%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 57.145, 285.536 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 44, 57.145, 285.536 by changing the saturation by 10% instead.


 44, 57.145,
285.536


 44, 57.145,
285.536


 100, 57.145,
285.536

 34, 57.145,
285.536

 64, 57.145,
285.536

 24, 57.145,
285.536

 74, 57.145,
285.536

 14, 57.145,
285.536

 84, 57.145,
285.536

 4, 57.145, 285.536

 94, 57.145,
285.536

 0, 57.145, 285.536

 44, 57.145,

 44, 57.145,

285.536

■ 40, 65.025,
289.373

■ 37, 73.058,
293.222

■ 36, 74.344,
293.787

285.536

■ 48, 49.466,
281.953

■ 52, 41.965,
278.730

■ 57, 34.598,
275.910

■ 61, 27.326,
273.481

■ 66, 20.125,
271.407

■ 71, 12.986,
269.642

■ 75, 5.910, 268.153

■ 80, 1.100, 86.560

Harmonies

Complementary

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



44, 57.145, 285.536



62, 58.195, 75.830

Rectangle

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



44, 57.145, 285.536



44, 57.145, 335.536



44, 57.145, 105.536



44, 57.145, 155.536

Sweetspot

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



44, 57.145, 285.537



86, 20.993, 270.659



71, 55.775, 160.331



44, 14.444, 271.327



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 57.145, 285.537



49, 86.091, 292.125



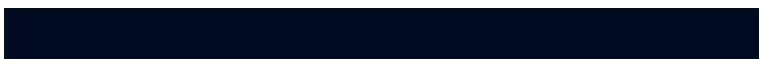
31, 92.970, 304.870



38, 3.944, 268.282



29, 63.098, 293.187



4, 14.436, 277.418

Inverse Universe

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



45, 62.804, 4.040



55, 83.753, 11.378



76, 72.861, 109.614



38, 4.726, 351.312



34, 60.164, 12.753



3, 14.997, 359.143

Previews

White Background



This preview shows how the CIE LCh color 44, 57.145, 285.536 looks on a white 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

Black Background



This preview shows how the CIE LCh color 44, 57.145, 285.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

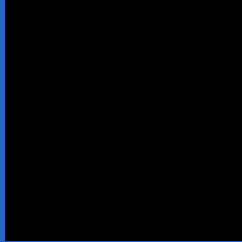
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 57.145, 285.536

Background



This preview shows how black text looks on a background with the CIELCh color 44, 57.145, 285.536.

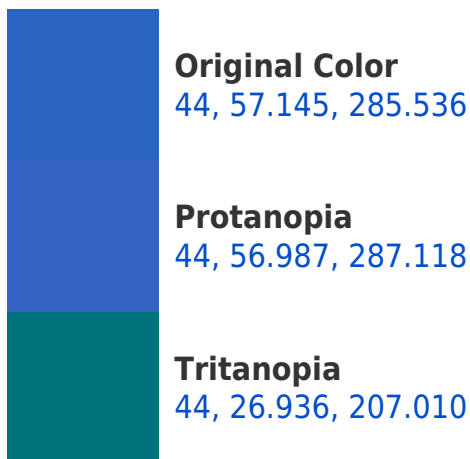


This preview shows how white text looks on a background with the CIELCh color 44, 57.145, 285.536.

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



Trichromacy



Original Color
44, 57.145, 285.536

Protanomaly
44, 57.074, 286.555

Tritanomaly
43, 30.739, 249.994

Monochromacy



Original Color
44, 57.145, 285.536

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 21.602, 273.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 57.145, 285.536 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(42, 101, 196)` looks like.

```
.text, #text, p{  
    color:rgb(42, 101, 196)  
}
```

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(42, 101, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 101, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 57.145, 285.536 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(42, 101, 196) }
```

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

```
.border{ border-color:rgb(42, 101, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 101, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 101, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 101, 196);  
box-shadow:4px 4px 4px 4px rgb(42, 101,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 57.145, 285.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 101, 196) }
```

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

```
.background{ background-color: rgb(42, 101,  
196) }
```

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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