

Converting Colors

CIELCh(50, 68.447, 286.468)

Have a look what the booklet for
CIELCh(50, 68.447, 286.468)
contains.

CIELCh(50, 68.547, 286.475)	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>	27

Color

CIELCh(50, 68.547, 286.475)

Conversions

Conversions Part 1

Format	Color
Hex	2273E8
RGB	34, 115, 232
RGB Percent	13%, 45%, 91%
CMY	0.8668, 0.5491, 0.0903
CMYK	0.85, 0.50, 0.00, 0.09
HSL	215°, 81%, 52%
HSV	215°, 85%, 91%
XYZ	21.3460, 18.4187, 78.7500
YIQ	104.1190, -85.8330, 19.2150

Conversions

Conversions Part 2

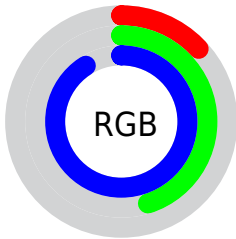
Format	Color
R_{YB}	34, 91, 232
Decimal	2257896
CIE _{Lab}	50.00, 19.44, -65.73
CIE _{LCh}	50, 68.547, 286.475
Yxy	18.4187, 0.1801, 0.1554
Android (android.graphics.Color)	4280447976 (0xFF2273E8)
YUV	104.1190, 63.0453, -61.4944
Hunter-Lab	42.9170, 13.6776, -78.7517

Details

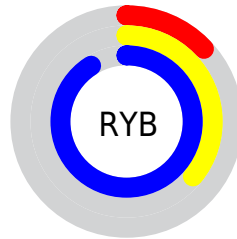
The CIELCh color **50, 68.547, 286.475** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **69, 70.931, 71.859**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.994, 279.414**, and **32, 66.959, 293.041** is the 20% darker color. If you saturate the color by 10%, you get **46, 77.198, 290.563**, and if you desaturate by 10%, it is **54, 60.110, 282.530**.

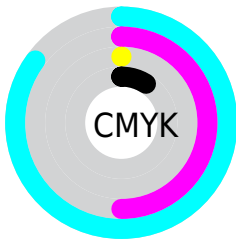
Distribution



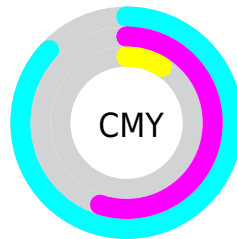
- Red (13%)
- Green (45%)
- Blue (91%)



- Red (13%)
- Yellow (36%)
- Blue (91%)



- Cyan (85%)
- Magenta (50%)
- Yellow (0%)
- Black (9%)




- Cyan (87%)
- Magenta (55%)
- Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 68.547, 286.475 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, 68.547, 286.475 by changing the saturation by 10% instead.

 50, 68.547,
286.475


 50, 68.547,
286.475

 100, 68.547,
286.475

 40, 68.547,
286.475

 70, 68.547,
286.475

 30, 68.547,
286.475

 80, 68.547,
286.475

 20, 68.547,
286.475

 90, 68.547,
286.475

 10, 68.547,
286.475

 0, 68.547, 286.475

 50, 68.547,
286.475

 50, 68.547,
286.475

46, 77.198,
290.563

54, 60.110,
282.530

44, 81.272,
292.378

59, 51.878,
278.903

64, 43.794,
275.685

69, 35.797,
272.895

74, 27.850,
270.509

79, 19.934,
268.483

84, 12.048,
266.769

89, 4.199, 265.350

94, 3.601, 83.921

Harmonies

Complementary

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



50, 68.547, 286.475



69, 70.931, 71.859

Rectangle

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



50, 68.547, 286.475



50, 68.547, 336.475



50, 68.547, 106.475



50, 68.547, 156.475

Sweetspot

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



50, 68.547, 286.476



86, 22.069, 268.628



82, 69.650, 156.675



44, 14.971, 269.304



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, 68.547, 286.476



48, 87.789, 292.595



33, 114.469, 305.484



45, 4.410, 265.889



34, 65.601, 291.658



7, 22.993, 283.474

Inverse Universe

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



51, 75.027, 4.740



54, 84.848, 11.917



88, 86.589, 107.781



45, 5.522, 349.659



38, 64.784, 10.639



7, 26.953, 1.659

Previews

White Background



This preview shows how the CIE LCh color 50, 68.547, 286.475 looks on a white background.

Color Contrast Check

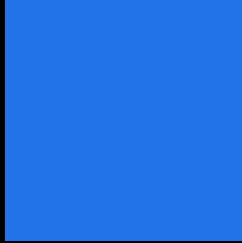
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.547, 286.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

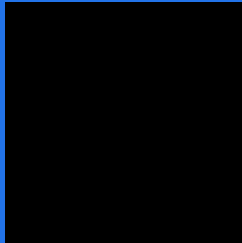
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

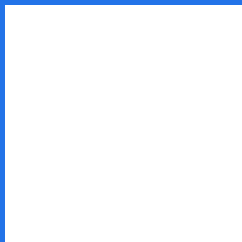
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 68.547, 286.475

Background



This preview shows how black text looks on a background with the CIELCh color 50, 68.547, 286.475.



This preview shows how white text looks on a background with the CIELCh color 50, 68.547, 286.475.

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

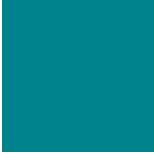
50, 68.547, 286.475

Protanopia

50, 68.434, 287.573

Deuteranopia

50, 53.815, 275.969



Tritanopia
50, 29.576, 207.020

Trichromacy



Original Color
50, 68.547, 286.475

Protanomaly
50, 68.497, 287.246

Deuteranomaly
50, 58.960, 280.123

Tritanomaly
49, 35.033, 252.226

Monochromacy



Original Color
50, 68.547, 286.475

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 26.761, 273.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 68.547, 286.475 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(34, 115, 232)` looks like.

```
.text, #text, p{  
    color:rgb(34, 115, 232)  
}
```

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(34, 115, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 115, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 68.547, 286.475 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(34, 115, 232) }
```

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

```
.border{ border-color:rgb(34, 115, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 115, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 115, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 115, 232);  
box-shadow:4px 4px 4px 4px rgb(34, 115,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 68.547, 286.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 115, 232) }
```

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

```
.background{ background-color: rgb(34, 115,  
232) }
```

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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