

Converting Colors

CIELCh(50, 35.362, 263.064)

Have a look what the booklet for
CIELCh(50, 35.362, 263.064)
contains.

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Color

CIELCh(50, 35.265, 263.151)

Conversions

Conversions Part 1

Format	Color
Hex	357CB2
RGB	53, 124, 178
RGB Percent	21%, 49%, 70%
CMY	0.7916, 0.5133, 0.3015
CMYK	0.70, 0.30, 0.00, 0.30
HSL	206°, 54%, 45%
HSV	206°, 70%, 70%
XYZ	16.7414, 18.4187, 44.8472
YIQ	108.9270, -59.6500, 1.7420

Conversions

Conversions Part 2

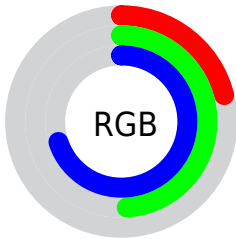
Format	Color
R_{YB}	53, 98, 178
Decimal	3505330
CIE _{Lab}	50.00, -4.21, -35.01
CIE _{LCh}	50, 35.265, 263.151
Yxy	18.4187, 0.2092, 0.2302
Android (android.graphics.Color)	4281695410 (0xFF357CB2)
YUV	108.9270, 34.0530, -49.0480
Hunter-Lab	42.9170, -5.4739, -31.9148

Details

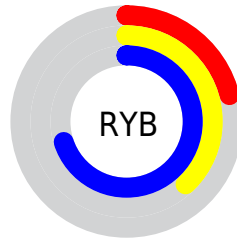
The CIELCh color **50, 35.265, 263.151** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **52, 47.577, 60.283**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 35.388, 263.475**, and **31, 33.332, 269.373** is the 20% darker color. If you saturate the color by 10%, you get **47, 39.521, 267.222**, and if you desaturate by 10%, it is **53, 30.852, 259.631**.

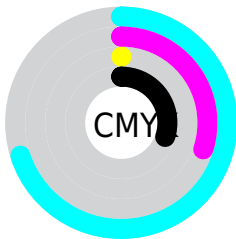
Distribution



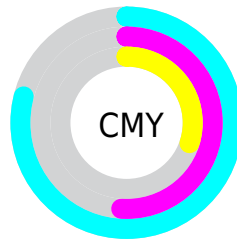
- Red (21%)
- Green (49%)
- Blue (70%)



- Red (21%)
- Yellow (38%)
- Blue (70%)



- Cyan (70%)
- Magenta (30%)
- Yellow (0%)
- Black (30%)



- Cyan (79%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 35.265, 263.151 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, 35.265, 263.151 by changing the saturation by 10% instead.

■ 50, 35.265,
263.151

■ 50, 35.265,
263.151

■ 100, 35.265,
263.151

■ 40, 35.265,
263.151

■ 70, 35.265,
263.151

■ 30, 35.265,
263.151

■ 80, 35.265,
263.151

■ 20, 35.265,
263.151

■ 90, 35.265,
263.151

■ 10, 35.265,
263.151

■ 0, 35.265, 263.151

■ 50, 35.265,
263.151

■ 50, 35.265,
263.151

47, 39.521,
267.222

53, 30.852,
259.631

45, 43.720,
271.775

56, 26.230,
256.652

42, 47.946,
276.421

59, 21.380,
254.164

62, 16.312,
252.102

66, 11.053,
250.399

69, 5.636, 249.009

73, 0.097, 251.734

76, 5.533, 66.686

79, 11.224, 65.878

Harmonies

Complementary

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



50, 35.265, 263.151



52, 47.577, 60.283

Rectangle

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



50, 35.265, 263.151



50, 35.265, 313.151



50, 35.265, 83.151



50, 35.265, 133.151

Sweetspot

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



50, 35.264, 263.152



83, 14.253, 250.586



65, 57.612, 151.337



43, 9.690, 251.028



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



50, 35.264, 263.152



59, 50.879, 269.577



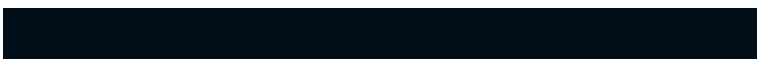
33, 70.939, 298.937



36, 3.149, 248.906



36, 42.420, 275.780



4, 8.302, 259.990

Inverse Universe

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



43, 57.763, 348.007



53, 77.930, 351.327



68, 58.358, 99.502



35, 4.982, 340.846



33, 59.053, 355.168



2, 11.057, 346.068

Previews

White Background



This preview shows how the CIE LCh color 50, 35.265, 263.151 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, 35.265, 263.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

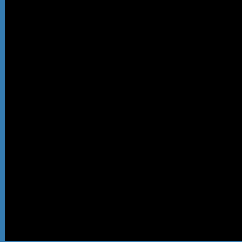
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

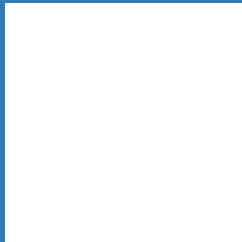
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 35.265, 263.151

Background



This preview shows how black text looks on a background with the CIELCh color 50, 35.265, 263.151.

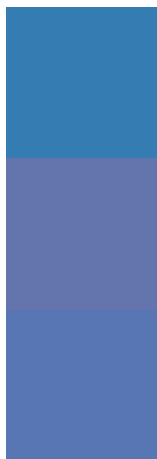


This preview shows how white text looks on a background with the CIELCh color 50, 35.265, 263.151.

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, 35.265, 263.151

Protanopia

50, 32.966, 285.557

Deuteranopia

50, 36.797, 281.362



Tritanopia
50, 28.029, 210.258

Trichromacy



Original Color
50, 35.265, 263.151

Protanomaly
50, 33.331, 275.704

Deuteranomaly
50, 35.939, 274.415

Tritanomaly
50, 27.915, 232.360

Monochromacy



Original Color
50, 35.265, 263.151

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 14.485, 254.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 35.265, 263.151 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(53, 124, 178)` looks like.

```
.text, #text, p{  
    color:rgb(53, 124, 178)  
}
```

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(53, 124, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 124, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 35.265, 263.151 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(53, 124, 178) }
```

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

```
.border{ border-color:rgb(53, 124, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 124, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 124, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 124, 178);  
box-shadow:4px 4px 4px 4px rgb(53, 124,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 35.265, 263.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 124, 178) }
```

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

```
.background{ background-color: rgb(53, 124,  
178) }
```

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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