

Converting Colors

CIELCh(50, 33.979, 256.035)

Have a look what the booklet for
CIELCh(50, 33.979, 256.035)
contains.

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Color

CIELCh(50, 34.092, 256.231)

Conversions

Conversions Part 1

Format	Color
Hex	297EAF
RGB	41, 126, 175
RGB Percent	16%, 49%, 69%
CMY	0.8405, 0.5067, 0.3146
CMYK	0.77, 0.28, 0.00, 0.31
HSL	202°, 62%, 42%
HSV	202°, 77%, 69%
XYZ	16.0507, 18.4187, 43.1503
YIQ	106.1710, -66.3890, -2.7810

Conversions

Conversions Part 2

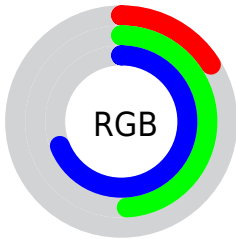
Format	Color
R_{YB}	41, 93, 175
Decimal	2719407
CIE _{Lab}	50.00, -8.11, -33.11
CIE _{LCh}	50, 34.092, 256.231
Yxy	18.4187, 0.2068, 0.2373
Android (android.graphics.Color)	4280909487 (0xFF297EAF)
YUV	106.1710, 33.9327, -57.1550
Hunter-Lab	42.9170, -8.3466, -29.5704

Details

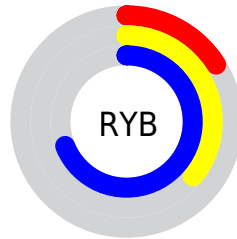
The CIELCh color **50, 34.092, 256.231** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **48, 52.752, 53.851**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 34.025, 255.914**, and **31, 31.309, 265.798** is the 20% darker color. If you saturate the color by 10%, you get **48, 37.245, 260.609**, and if you desaturate by 10%, it is **52, 30.689, 252.468**.

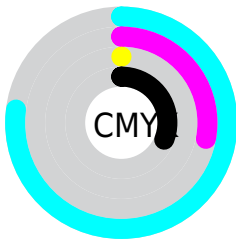
Distribution



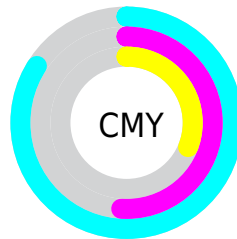
- Red (16%)
- Green (49%)
- Blue (69%)



- Red (16%)
- Yellow (36%)
- Blue (69%)



- Cyan (77%)
- Magenta (28%)
- Yellow (0%)
- Black (31%)





- Cyan (84%)
- Magenta (51%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 34.092, 256.231 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, 34.092, 256.231 by changing the saturation by 10% instead.


 50, 34.092,
256.231


 50, 34.092,
256.231


 100, 34.092,
256.231


 40, 34.092,
256.231


 70, 34.092,
256.231

 30, 34.092,
256.231


 80, 34.092,
256.231


 20, 34.092,
256.231

 90, 34.092,
256.231

 10, 34.092,
256.231

 0, 34.092, 256.231

 50, 34.092,
256.231

 50, 34.092,
256.231

48, 37.245,
260.609

52, 30.689,
252.468

46, 40.287,
265.481

55, 26.964,
249.314

45, 41.317,
267.038

58, 22.889,
246.715

60, 18.475,
244.596

63, 13.757,
242.876

66, 8.780, 241.490

69, 3.591, 240.417

72, 1.763, 59.124

75, 7.243, 58.538

Harmonies

Complementary

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



50, 34.092, 256.231



48, 52.752, 53.851

Rectangle

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



50, 34.092, 256.231



50, 34.092, 306.231



50, 34.092, 76.231



50, 34.092, 126.231

Sweetspot

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



50, 34.091, 256.232



82, 14.741, 242.381



63, 64.414, 147.414



42, 10.210, 242.911



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



50, 34.091, 256.232



60, 47.811, 263.932



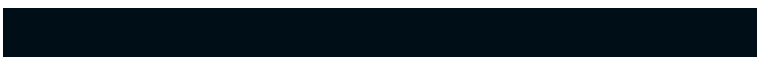
32, 71.141, 298.040



35, 2.990, 240.657



39, 36.695, 266.362



4, 6.666, 251.030

Inverse Universe

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



41, 62.237, 344.907



51, 80.842, 348.303



64, 58.494, 94.692



34, 5.098, 337.681



33, 60.134, 349.502



2, 9.981, 341.579

Previews

White Background



This preview shows how the CIE LCh color 50, 34.092, 256.231 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, 34.092, 256.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

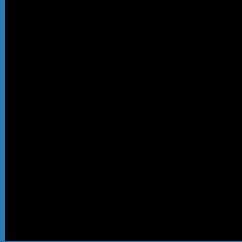
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 34.092, 256.231

Background



This preview shows how black text looks on a background with the CIELCh color 50, 34.092, 256.231.

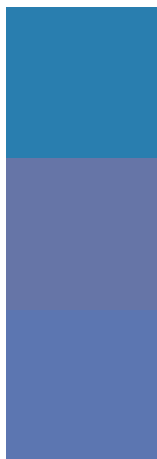


This preview shows how white text looks on a background with the CIELCh color 50, 34.092, 256.231.

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, 34.092, 256.231

Protanopia
50, 29.469, 284.427

Deuteranopia
50, 34.987, 281.621



Tritanopia
50, 29.482, 209.458

Trichromacy



Original Color
50, 34.092, 256.231

Protanomaly
50, 30.954, 271.352

Deuteranomaly
50, 34.107, 270.900

Tritanomaly
50, 29.242, 227.610

Monochromacy



Original Color
50, 34.092, 256.231

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 14.892, 244.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 34.092, 256.231 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, 126, 175)` looks like.

```
.text, #text, p{  
    color:rgb(41, 126, 175)  
}
```

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, 126, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 126, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 34.092, 256.231 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, 126, 175) }
```

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

```
.border{ border-color:rgb(41, 126, 175) }
```

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

Here you see how a box with a 4 pixel rgb(41, 126, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 126, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 126, 175);  
box-shadow:4px 4px 4px 4px rgb(41, 126,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 34.092, 256.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 126, 175) }
```

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

```
.background{ background-color: rgb(41, 126,  
175) }
```

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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