

Converting Colors

CIELCh(50, 33.356, 263.668)

Have a look what the booklet for
CIELCh(50, 33.356, 263.668)
contains.

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Color

CIELCh(50, 33.273, 263.232)

Conversions

Conversions Part 1

Format	Color
Hex	3D7CAF
RGB	61, 124, 175
RGB Percent	24%, 49%, 69%
CMY	0.7620, 0.5147, 0.3148
CMYK	0.65, 0.29, 0.00, 0.31
HSL	207°, 48%, 46%
HSV	207°, 65%, 69%
XYZ	16.7924, 18.4187, 43.0876
YIQ	110.9770, -53.9190, 2.5050

Conversions

Conversions Part 2

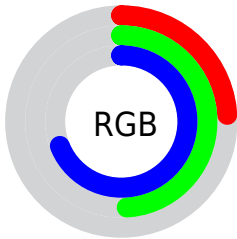
Format	Color
R_{YB}	61, 102, 175
Decimal	4029615
CIE _{Lab}	50.00, -3.92, -33.04
CIE _{LCh}	50, 33.273, 263.232
Yxy	18.4187, 0.2145, 0.2352
Android (android.graphics.Color)	4282219695 (0xFF3D7CAF)
YUV	110.9770, 31.5633, -43.8298
Hunter-Lab	42.9170, -5.2618, -29.4838

Details

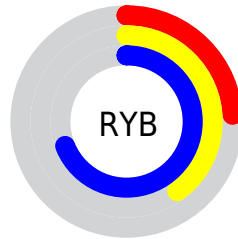
The CIELCh color **50, 33.273, 263.232** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **53, 43.078, 62.226**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 33.526, 263.556**, and **31, 31.787, 267.042** is the 20% darker color. If you saturate the color by 10%, you get **47, 37.726, 267.024**, and if you desaturate by 10%, it is **53, 28.665, 259.977**.

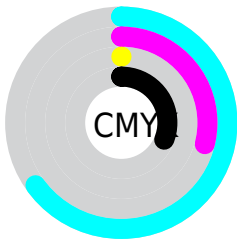
Distribution



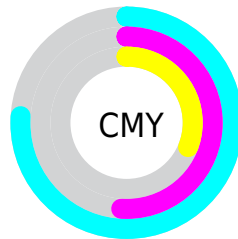
- Red (24%)
- Green (49%)
- Blue (69%)



- Red (24%)
- Yellow (40%)
- Blue (69%)



- Cyan (65%)
- Magenta (29%)
- Yellow (0%)
- Black (31%)





- Cyan (76%)
- Magenta (51%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 33.273, 263.232 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, 33.273, 263.232 by changing the saturation by 10% instead.


 50, 33.273,
263.232


 50, 33.273,
263.232


 100, 33.273,
263.232


 40, 33.273,
263.232


 70, 33.273,
263.232

 30, 33.273,
263.232


 80, 33.273,
263.232


 20, 33.273,
263.232

 90, 33.273,
263.232

 10, 33.273,
263.232

 0, 33.273, 263.232

 50, 33.273,
263.232

 50, 33.273,
263.232

47, 37.726,
267.024

53, 28.665,
259.977

44, 42.102,
271.321

56, 23.867,
257.231

42, 46.507,
275.997

59, 18.872,
254.939

41, 48.666,
278.147

63, 13.696,
253.034

66, 8.367, 251.459

70, 2.915, 250.211

73, 2.629, 68.826

76, 8.236, 67.977

80, 13.882, 67.191

Harmonies

Complementary

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



50, 33.273, 263.232



53, 43.078, 62.226

Rectangle

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



50, 33.273, 263.232



50, 33.273, 313.232



50, 33.273, 83.232



50, 33.273, 133.232

Sweetspot

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



50, 33.272, 263.233



82, 13.487, 252.221



64, 52.710, 152.931



43, 9.247, 252.667



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, 33.272, 263.233



59, 48.049, 268.726



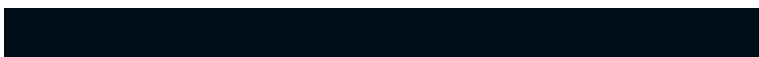
34, 65.731, 298.326



35, 3.102, 250.665



35, 43.122, 277.516



3, 7.069, 259.793

Inverse Universe

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



44, 53.644, 348.067



53, 73.777, 350.895



67, 54.976, 100.880



34, 4.814, 341.588



32, 58.038, 356.426



2, 9.435, 345.951

Previews

White Background



This preview shows how the CIELCh color 50, 33.273, 263.232 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, 33.273, 263.232 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, 33.273, 263.232

Background



This preview shows how black text looks on a background with the CIELCh color 50, 33.273, 263.232.

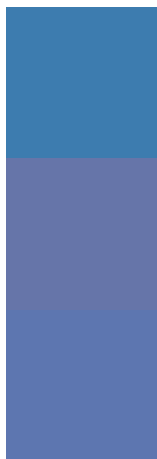


This preview shows how white text looks on a background with the CIELCh color 50, 33.273, 263.232.

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, 33.273, 263.232

Protanopia

50, 30.607, 284.990

Deuteranopia

50, 34.381, 281.734

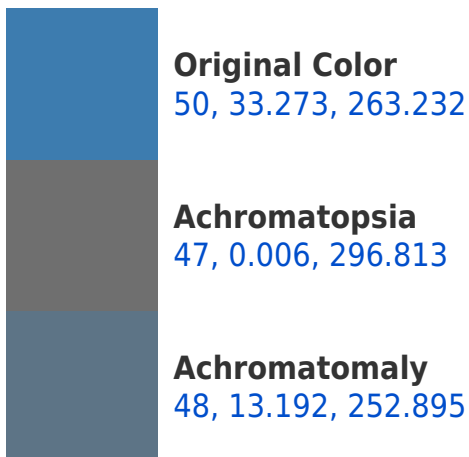


Tritanopia
50, 25.677, 211.727

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 33.273, 263.232 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(61, 124, 175)` looks like.

```
.text, #text, p{  
    color:rgb(61, 124, 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(61, 124, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 124, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 33.273, 263.232 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(61, 124, 175) }
```

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

```
.border{ border-color:rgb(61, 124, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 124, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 124, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 124, 175);  
box-shadow:4px 4px 4px 4px rgb(61, 124,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 33.273, 263.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 124, 175) }
```

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

```
.background{ background-color: rgb(61, 124,  
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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