

Converting Colors

CIELCh(50, 32.102, 255.940)

Have a look what the booklet for
CIELCh(50, 32.102, 255.940)
contains.

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Color

CIELCh(50, 32.099, 256.082)

Conversions

Conversions Part 1

Format	Color
Hex	337DAB
RGB	51, 125, 171
RGB Percent	20%, 49%, 67%
CMY	0.8017, 0.5082, 0.3277
CMYK	0.71, 0.27, 0.00, 0.33
HSL	203°, 54%, 44%
HSV	203°, 71%, 67%
XYZ	16.1193, 18.4187, 41.4498
YIQ	108.1180, -58.8700, -1.3820

Conversions

Conversions Part 2

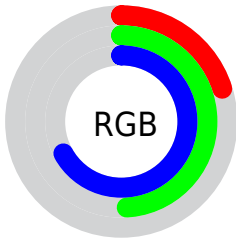
Format	Color
RYB	51, 97, 171
Decimal	3374507
CIELab	50.00, -7.72, -31.16
CIElCh	50, 32.099, 256.082
Yxy	18.4187, 0.2121, 0.2424
Android (android.graphics.Color)	4281564587 (0xFF337DAB)
YUV	108.1180, 31.0008, -50.0925
Hunter-Lab	42.9170, -8.0612, -27.2212

Details

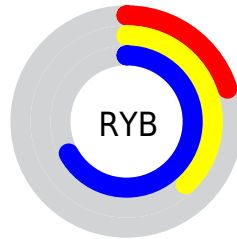
The CIELCh color **50, 32.099, 256.082** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **49, 46.847, 55.639**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 32.276, 257.346**, and **31, 29.799, 263.575** is the 20% darker color. If you saturate the color by 10%, you get **48, 35.538, 260.110**, and if you desaturate by 10%, it is **53, 28.396, 252.658**.

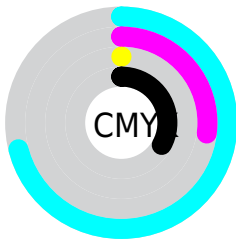
Distribution



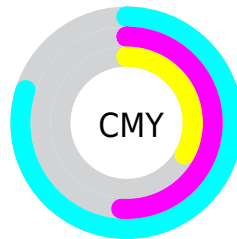
- Red (20%)
- Green (49%)
- Blue (67%)



- Red (20%)
- Yellow (38%)
- Blue (67%)



- Cyan (71%)
- Magenta (27%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 32.099, 256.082 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, 32.099, 256.082 by changing the saturation by 10% instead.

■ 50, 32.099,
256.082

■ 50, 32.099,
256.082

■ 100, 32.099,
256.082

■ 40, 32.099,
256.082

■ 70, 32.099,
256.082

■ 30, 32.099,
256.082

■ 80, 32.099,
256.082

■ 20, 32.099,
256.082

■ 90, 32.099,
256.082

■ 10, 32.099,
256.082

■ 0, 32.099, 256.082

■ 50, 32.099,
256.082

■ 50, 32.099,
256.082

48, 35.538,
260.110

53, 28.396,
252.658

45, 38.812,
264.705

55, 24.387,
249.806

43, 41.932,
269.296

58, 20.065,
247.459

61, 15.454,
245.542

64, 10.589,
243.982

67, 5.516, 242.732

70, 0.276, 243.078

73, 5.090, 60.649

76, 10.549, 59.966

Harmonies

Complementary

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



50, 32.099, 256.082



49, 46.847, 55.639

Rectangle

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



50, 32.099, 256.082



50, 32.099, 306.082



50, 32.099, 76.082



50, 32.099, 126.082

Sweetspot

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



50, 32.098, 256.082



81, 13.351, 244.103



62, 58.566, 149.193



42, 9.065, 244.496



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



50, 32.098, 256.082



59, 45.463, 262.794



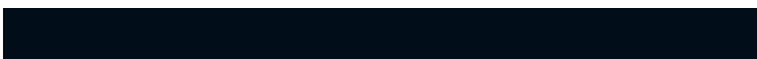
33, 65.120, 297.014



35, 3.004, 242.603



38, 37.796, 268.707



3, 6.733, 252.833

Inverse Universe

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



42, 57.811, 344.829



50, 77.487, 347.777



64, 54.740, 96.457



34, 5.042, 338.386



33, 59.662, 350.756



2, 9.869, 342.400

Previews

White Background



This preview shows how the CIE LCh color 50, 32.099, 256.082 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 CIELCh color 50, 32.099, 256.082 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

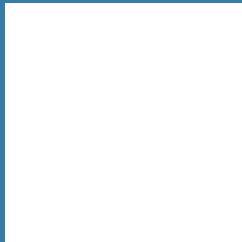
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 32.099, 256.082

Background



This preview shows how black text looks on a background with the CIELCh color 50, 32.099, 256.082.

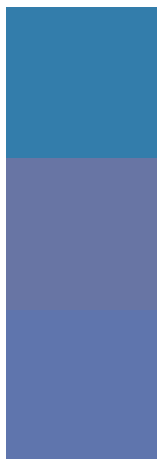


This preview shows how white text looks on a background with the CIELCh color 50, 32.099, 256.082.

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, 32.013, 256.327

Protanopia

50, 27.681, 284.790

Deuteranopia

50, 33.166, 282.536



Tritanopia
50, 27.642, 210.483

Trichromacy



Original Color
50, 32.013, 256.327

Protanomaly
50, 28.982, 271.969

Deuteranomaly
50, 32.069, 272.038

Tritanomaly
50, 27.417, 228.524

Monochromacy



Original Color
50, 32.013, 256.327

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 13.633, 246.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 32.099, 256.082 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(51, 125, 171)` looks like.

```
.text, #text, p{  
    color:rgb(51, 125, 171)  
}
```

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(51, 125, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 125, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 32.099, 256.082 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(51, 125, 171) }
```

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

```
.border{ border-color:rgb(51, 125, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 125, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 125, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 125, 171);  
box-shadow:4px 4px 4px 4px rgb(51, 125,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 32.099, 256.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 125, 171) }
```

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

```
.background{ background-color: rgb(51, 125,  
171) }
```

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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