

Converting Colors

CIELCh(50, 32.094, 262.747)

Have a look what the booklet for
CIELCh(50, 32.094, 262.747)
contains.

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Color

CIELCh(50, 32.094, 262.747)

Conversions

Conversions Part 1

Format	Color
Hex	407CAD
RGB	64, 124, 173
RGB Percent	25%, 49%, 68%
CMY	0.7505, 0.5149, 0.3229
CMYK	0.63, 0.28, 0.00, 0.32
HSL	207°, 46%, 46%
HSV	207°, 63%, 68%
XYZ	16.7689, 18.4187, 42.0364
YIQ	111.6460, -51.4890, 2.5190

Conversions

Conversions Part 2

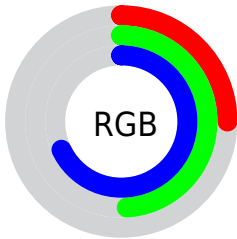
Format	Color
R _Y B	64, 103, 173
Decimal	4226221
CIE Lab	50.00, -4.05, -31.84
CIE LCh	50, 32.094, 262.747
Yxy	18.4187, 0.2171, 0.2385
Android (android.graphics.Color)	4282416301 (0xFF407CAD)
YUV	111.6460, 30.2475, -41.7855
Hunter-Lab	42.9170, -5.3593, -28.0316

Details

The CIELCh color **50, 32.094, 262.747** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **53, 41.084, 62.674**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 32.413, 263.148**, and **30, 31.256, 266.637** is the 20% darker color. If you saturate the color by 10%, you get **47, 36.559, 266.419**, and if you desaturate by 10%, it is **53, 27.468, 259.607**.

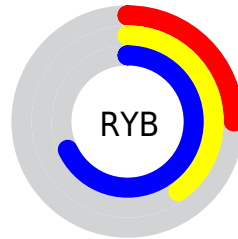
Distribution



Red (25%)

Green (49%)

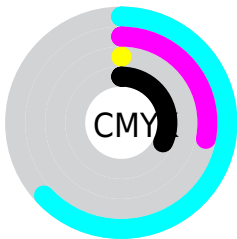
Blue (68%)



Red (25%)

Yellow (40%)

Blue (68%)

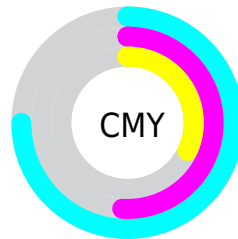


Cyan (63%)

Magenta (28%)

Yellow (0%)

Black (32%)



Cyan (75%)

Magenta (51%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 32.094, 262.747 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, 32.094, 262.747 by changing the saturation by 10% instead.

■ 50, 32.094,
262.747

■ 50, 32.094,
262.747

■ 100, 32.094,
262.747

■ 40, 32.094,
262.747

■ 70, 32.094,
262.747

■ 30, 32.094,
262.747

■ 80, 32.094,
262.747

■ 20, 32.094,
262.747

■ 90, 32.094,
262.747

■ 10, 32.094,
262.747

■ 0, 32.094, 262.747

■ 50, 32.094,
262.747

■ 50, 32.094,
262.747

47, 36.559,
266.419

53, 27.468,
259.607

44, 40.933,
270.605

56, 22.655,
256.964

42, 45.314,
275.207

59, 17.653,
254.759

40, 48.411,
278.351

63, 12.479,
252.927

66, 7.162, 251.414

70, 1.733, 250.289

73, 3.779, 68.901

76, 9.346, 68.043

80, 14.947, 67.276

Harmonies

Complementary

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



50, 32.094, 262.747



53, 41.084, 62.674

Rectangle

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



50, 32.094, 262.747



50, 32.094, 312.747



50, 32.094, 82.747



50, 32.094, 132.747

Sweetspot

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



50, 32.093, 262.747



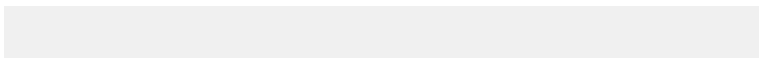
81, 12.730, 252.314



63, 50.789, 153.284



42, 8.724, 252.755



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, 32.093, 262.747



59, 46.698, 268.115



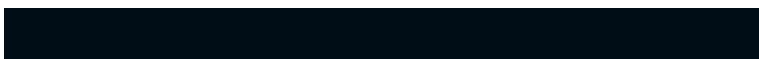
35, 62.761, 297.805



35, 3.106, 250.915



35, 43.307, 277.768



3, 7.081, 259.997

Inverse Universe

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



44, 51.759, 347.833



53, 72.093, 350.569



67, 52.986, 101.073



34, 4.807, 341.696



32, 57.997, 356.615



2, 9.422, 346.066

Previews

White Background



This preview shows how the CIELCh color 50, 32.094, 262.747 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, 32.094, 262.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

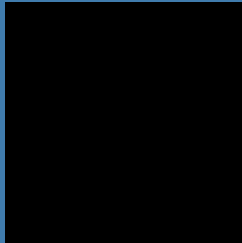
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

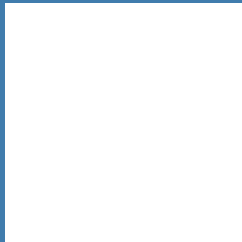
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 32.094, 262.747

Background



This preview shows how black text looks on a background with the CIELCh color 50, 32.094, 262.747.



This preview shows how white text looks on a background with the CIELCh color 50, 32.094, 262.747.

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, 32.094, 262.747

Protanopia

50, 29.431, 285.019

Deuteranopia

50, 33.168, 282.001



Tritanopia
50, 24.875, 210.849

Trichromacy



Original Color
50, 32.094, 262.747

Protanomaly
50, 30.231, 276.119

Deuteranomaly
50, 32.758, 275.162

Tritanomaly
50, 25.039, 232.105

Monochromacy



Original Color
50, 32.094, 262.747

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 12.556, 252.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 32.094, 262.747 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(64, 124, 173)` looks like.

```
.text, #text, p{  
    color:rgb(64, 124, 173)  
}
```

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(64, 124, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 124, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 32.094, 262.747 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(64, 124, 173) }
```

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

```
.border{ border-color:rgb(64, 124, 173) }
```

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

Here you see how a box with a 4 pixel rgb(64, 124, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 124, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 124, 173);  
box-shadow:4px 4px 4px 4px rgb(64, 124,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 32.094, 262.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 124, 173) }
```

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

```
.background{ background-color: rgb(64, 124,  
173) }
```

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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