

Converting Colors

CIELCh(48, 64.291, 287.533)

Have a look what the booklet for
CIELCh(48, 64.291, 287.533)
contains.

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Color

CIELCh(48, 64.273, 287.642)

Conversions

Conversions Part 1

Format	Color
Hex	346DDA
RGB	52, 109, 218
RGB Percent	20%, 43%, 85%
CMY	0.7980, 0.5714, 0.1438
CMYK	0.76, 0.50, 0.00, 0.14
HSL	219°, 69%, 53%
HSV	219°, 76%, 86%
XYZ	19.5885, 16.7945, 68.7676
YIQ	104.3830, -68.9610, 21.8150

Conversions

Conversions Part 2

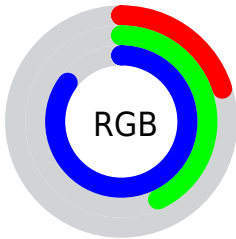
Format	Color
R_{YB}	52, 94, 218
Decimal	3435994
CIE _{Lab}	48.00, 19.48, -61.25
CIE _{LCh}	48, 64.273, 287.642
Yxy	16.7945, 0.1863, 0.1597
Android (android.graphics.Color)	4281626074 (0xFF346DDA)
YUV	104.3830, 56.0132, -45.9399
Hunter-Lab	40.9810, 13.6041, -70.8039

Details

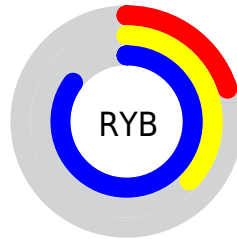
The CIELCh color **48, 64.273, 287.642** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **70, 62.683, 79.275**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 52.909, 284.091**, and **30, 62.812, 292.773** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.509, 291.321**, and if you desaturate by 10%, it is **53, 55.268, 284.202**.

Distribution



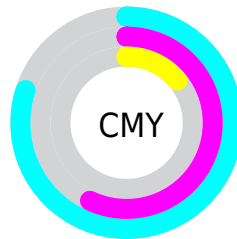
- Red (20%)
- Green (43%)
- Blue (85%)



- Red (20%)
- Yellow (37%)
- Blue (85%)



- Cyan (76%)
- Magenta (50%)
- Yellow (0%)
- Black (14%)




- Cyan (80%)
- Magenta (57%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 64.273, 287.642 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 48, 64.273, 287.642 by changing the saturation by 10% instead.


 48, 64.273,
287.642

 48, 64.273,
287.642


 100, 64.273,
287.642

 38, 64.273,
287.642

 68, 64.273,
287.642

 28, 64.273,
287.642

 78, 64.273,
287.642

 18, 64.273,
287.642


 88, 64.273,
287.642

 8, 64.273, 287.642

 98, 64.273,
287.642

 0, 64.273, 287.642

 48, 64.273,

 48, 64.273,

287.642

287.642

■ 44, 73.509,
291.321

■ 53, 55.268,
284.202

■ 40, 82.851,
295.034

■ 58, 46.502,
281.108

■ 38, 86.199,
296.275

■ 63, 37.938,
278.400

■ 68, 29.537,
276.067

■ 73, 21.270,
274.074

■ 79, 13.123,
272.377

■ 84, 5.092, 270.950

■ 89, 2.825, 89.550

Harmonies

Complementary

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



48, 64.273, 287.642



70, 62.683, 79.275

Rectangle

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



48, 64.273, 287.642



48, 64.273, 337.642



48, 64.273, 107.642



48, 64.273, 157.642

Sweetspot

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



48, 64.273, 287.643



86, 20.969, 273.500



78, 57.620, 162.812



44, 14.550, 274.156



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 64.273, 287.643



48, 89.380, 293.712



36, 98.667, 305.163



43, 4.538, 271.352



30, 71.395, 295.685



5, 22.312, 284.775

Inverse Universe

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



50, 67.033, 6.475



55, 83.679, 13.687



83, 78.317, 111.327



43, 5.128, 353.662



36, 64.352, 16.542



6, 24.045, 4.416

Previews

White Background



This preview shows how the CIE LCh color 48, 64.273, 287.642 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 48, 64.273, 287.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

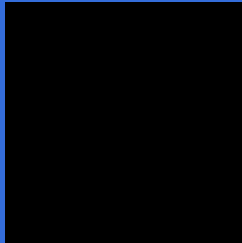
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

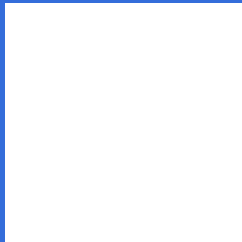
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 64.273, 287.642

Background



This preview shows how black text looks on a background with the CIELCh color 48, 64.273, 287.642.



This preview shows how white text looks on a background with the CIELCh color 48, 64.273, 287.642.

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

48, 64.254, 287.752

Protanopia

48, 64.860, 287.621

Deuteranopia

48, 52.367, 276.080



Tritanopia
48, 28.740, 207.411

Trichromacy



Original Color
48, 64.254, 287.752

Protanomaly
48, 64.842, 287.725

Deuteranomaly
48, 56.420, 280.084

Tritanomaly
47, 33.277, 251.762

Monochromacy



Original Color
48, 64.254, 287.752

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 24.565, 277.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 64.273, 287.642 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(52, 109, 218)` looks like.

```
.text, #text, p{  
    color:rgb(52, 109, 218)  
}
```

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(52, 109, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 109, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 64.273, 287.642 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(52, 109, 218) }
```

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

```
.border{ border-color:rgb(52, 109, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 109, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 109, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 109, 218);  
box-shadow:4px 4px 4px 4px rgb(52, 109,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 64.273, 287.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 109, 218) }
```

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

```
.background{ background-color: rgb(52, 109,  
218) }
```

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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