

Converting Colors

CIELCh(33, 49.545, 284.436)

Have a look what the booklet for
CIELCh(33, 49.545, 284.436)
contains.

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Color

CIELCh(33, 49.443, 284.392)

Conversions

Conversions Part 1

Format	Color
Hex	064C9A
RGB	6, 76, 154
RGB Percent	2%, 30%, 60%
CMY	0.9766, 0.7020, 0.3962
CMYK	0.96, 0.51, 0.00, 0.40
HSL	212°, 93%, 31%
HSV	212°, 96%, 60%
XYZ	8.4887, 7.5373, 31.5704
YIQ	63.9620, -66.7580, 9.4180

Conversions

Conversions Part 2

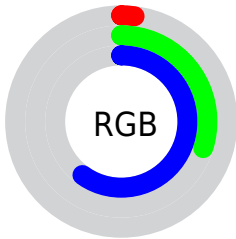
Format	Color
RYB	6, 54, 154
Decimal	412826
CIELab	33.00, 12.29, -47.89
CIELCh	33, 49.443, 284.392
Yxy	7.5373, 0.1783, 0.1584
Android (android.graphics.Color)	4278602906 (0xFF064C9A)
YUV	63.9620, 44.3887, -50.8327
Hunter-Lab	27.4541, 7.1465, -48.9616

Details

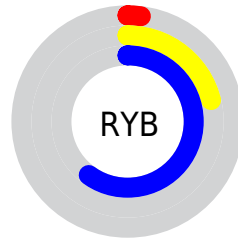
The CIELCh color **33, 49.443, 284.392** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **43, 56.022, 64.217**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 49.517, 284.464**, and **16, 47.778, 295.032** is the 20% darker color. If you saturate the color by 10%, you get **32, 51.527, 285.938**, and if you desaturate by 10%, it is **36, 44.224, 280.137**.

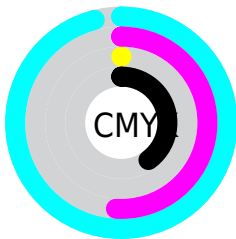
Distribution



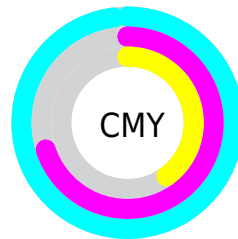
- Red (2%)
- Green (30%)
- Blue (60%)



- Red (2%)
- Yellow (21%)
- Blue (60%)



- Cyan (96%)
- Magenta (51%)
- Yellow (0%)
- Black (40%)





- Cyan (98%)
- Magenta (70%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 49.443, 284.392 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 33, 49.443, 284.392 by changing the saturation by 10% instead.


 33, 49.443,
284.392


 33, 49.443,
284.392

 100, 49.443,
284.392


 23, 49.443,
284.392

 53, 49.443,
284.392

 13, 49.443,
284.392


 63, 49.443,
284.392

 3, 49.443, 284.392

 73, 49.443,
284.392

 0, 49.443, 284.392

 83, 49.443,
284.392

 93, 49.443,
284.392

■ 33, 49.443,
284.392

■ 33, 49.443,
284.392

■ 32, 51.527,
285.938

■ 36, 44.224,
280.137

■ 39, 39.135,
276.102

■ 42, 34.109,
272.456

■ 45, 29.085,
269.257

■ 48, 24.024,
266.505

■ 51, 18.906,
264.163

■ 55, 13.729,
262.182

■ 58, 8.502, 260.512

Harmonies

Complementary

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



33, 49.443, 284.392



43, 56.022, 64.217

Rectangle

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



33, 49.443, 284.392



33, 49.443, 334.392



33, 49.443, 104.392



33, 49.443, 154.392

Sweetspot

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



33, 49.443, 284.394



68, 18.748, 262.824



56, 58.192, 151.146



34, 12.811, 263.603



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



33, 49.443, 284.394



41, 63.514, 286.842



18, 89.630, 305.921



31, 2.970, 259.525



29, 47.731, 285.548



1, 3.240, 259.107

Inverse Universe

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



33, 57.347, 2.388



43, 70.057, 4.836



61, 65.659, 103.931



30, 4.110, 345.848



29, 54.205, 3.470



1, 4.368, 345.570

Previews

White Background



This preview shows how the CIELCh color 33, 49.443, 284.392 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 33, 49.443, 284.392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

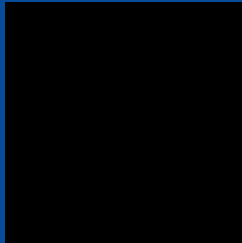
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 49.443, 284.392

Background



This preview shows how black text looks on a background with the CIELCh color 33, 49.443, 284.392.



This preview shows how white text looks on a background with the CIELCh color 33, 49.443, 284.392.

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

33, 49.443, 284.392

Protanopia

33, 49.183, 286.820

Deuteranopia

33, 38.675, 274.703

Trichromacy



Original Color
33, 49.443, 284.392

Protanomaly
33, 49.322, 285.854

Deuteranomaly
33, 42.545, 278.789

Monochromacy



Original Color
33, 49.443, 284.392

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 20.041, 269.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 49.443, 284.392 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(6, 76, 154)` looks like.

```
.text, #text, p{  
    color:rgb(6, 76, 154)  
}
```

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(6, 76, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 76, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 49.443, 284.392 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(6, 76, 154) }
```

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

```
.border{ border-color:rgb(6, 76, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 76, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 76, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 76, 154);  
box-shadow:4px 4px 4px 4px rgb(6, 76, 154)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 49.443, 284.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 76, 154) }
```

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

```
.background{ background-color: rgb(6, 76,  
154) }
```

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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