

Converting Colors

CIELCh(40, 46.848, 284.595)

Have a look what the booklet for
CIELCh(40, 46.848, 284.595)
contains.

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Color

CIELCh(40, 47.204, 284.850)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 335CA9 |
| RGB | 51, 92, 169 |
| RGB Percent | 20%, 36%, 66% |
| CMY | 0.7993, 0.6388, 0.3368 |
| CMYK | 0.70, 0.46, 0.00, 0.34 |
| HSL | 219°, 54%, 43% |
| HSV | 219°, 70%, 66% |
| XYZ | 12.3835, 11.2510, 39.1181 |
| YIQ | 88.5190, -49.1530, 15.2550 |

Conversions

Conversions Part 2

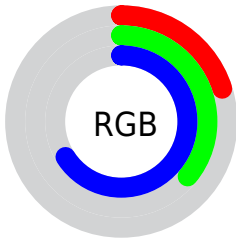
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 51, 81, 169 |
| Decimal | 3366057 |
| CIE _{Lab} | 40.00, 12.10, -45.63 |
| CIE _{LCh} | 40, 47.204, 284.850 |
| Y _{xy} | 11.2510, 0.1973, 0.1793 |
| Android (android.graphics.Color) | 4281556137 (0xFF335CA9) |
| Y _{UV} | 88.5190, 39.6771, -32.9042 |
| Hunter-Lab | 33.5425, 7.2011, -45.6658 |

Details

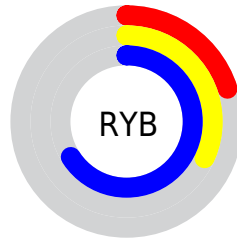
The CIELCh color **40, 47.204, 284.850** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **56, 47.012, 80.525**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 47.168, 284.753**, and **21, 46.324, 290.275** is the 20% darker color. If you saturate the color by 10%, you get **36, 54.548, 288.296**, and if you desaturate by 10%, it is **44, 40.053, 281.727**.

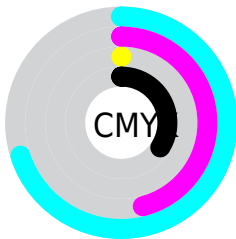
Distribution



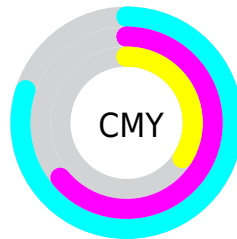
- Red (20%)
- Green (36%)
- Blue (66%)



- Red (20%)
- Yellow (32%)
- Blue (66%)



- Cyan (70%)
- Magenta (46%)
- Yellow (0%)
- Black (34%)





- Cyan (80%)
- Magenta (64%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 47.204, 284.850 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 40, 47.204, 284.850 by changing the saturation by 10% instead.


 40, 47.204,
284.850


 40, 47.204,
284.850


 100, 47.204,
284.850


 30, 47.204,
284.850

 60, 47.204,
284.850


 20, 47.204,
284.850

 70, 47.204,
284.850

 10, 47.204,
284.850

 80, 47.204,
284.850

 0, 47.204, 284.850

 90, 47.204,
284.850

 40, 47.204,

 40, 47.204,

284.850

284.850

■ 36, 54.548,
288.296

■ 44, 40.053,
281.727

■ 33, 62.067,
291.938

■ 48, 33.070,
278.973

■ 29, 69.662,
295.482

■ 52, 26.223,
276.587

■ 29, 69.854,
295.564

■ 57, 19.487,
274.540

■ 61, 12.849,
272.790

■ 65, 6.302, 271.304

■ 69, 0.155, 88.543

■ 74, 6.519, 88.823

■ 78, 12.788, 87.867

Harmonies

Complementary

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



40, 47.204, 284.850



56, 47.012, 80.525

Rectangle

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



40, 47.204, 284.850



40, 47.204, 334.850



40, 47.204, 104.850



40, 47.204, 154.850

Sweetspot

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



40, 47.204, 284.851



76, 16.898, 273.057



62, 44.160, 164.230



39, 11.440, 273.501



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



40, 47.204, 284.851



45, 71.434, 290.378



31, 73.299, 304.092



33, 3.643, 271.242



25, 62.563, 295.139



2, 6.960, 273.794

Inverse Universe

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



41, 51.204, 3.804



49, 71.234, 9.436



66, 60.012, 111.499



33, 4.121, 353.574



31, 57.078, 15.676



2, 7.201, 356.043

Previews

White Background



This preview shows how the CIE LCh color 40, 47.204, 284.850 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 CIE LCh color 40, 47.204, 284.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

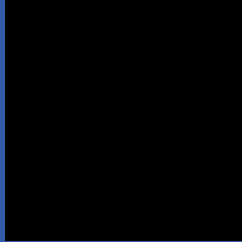
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 47.204, 284.850

Background



This preview shows how black text looks on a background with the CIELCh color 40, 47.204, 284.850.



This preview shows how white text looks on a background with the CIELCh color 40, 47.204, 284.850.

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


40, 47.204, 284.850

Protanopia

40, 47.077, 286.511

Deuteranopia

40, 45.713, 277.624



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 47.204, 284.850

Protanomaly
40, 47.133, 286.053

Deuteranomaly
40, 46.028, 279.631

Tritanomaly
39, 27.087, 246.540

Monochromacy



Original Color
40, 47.204, 284.850

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 17.813, 275.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 47.204, 284.850 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, 92, 169)` looks like.

```
.text, #text, p{  
    color:rgb(51, 92, 169)  
}
```

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, 92, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 92, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 47.204, 284.850 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, 92, 169) }
```

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

```
.border{ border-color:rgb(51, 92, 169) }
```

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

Here you see how a box with a 4 pixel rgb(51, 92, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 92, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 92, 169);  
box-shadow:4px 4px 4px 4px rgb(51, 92,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 47.204, 284.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 92, 169) }
```

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

```
.background{ background-color: rgb(51, 92,  
169) }
```

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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