

Converting Colors

CIELCh(38, 47.972, 286.680)

Have a look what the booklet for
CIELCh(38, 47.972, 286.680)
contains.

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Color

CIELCh(38, 48.084, 286.913)

Conversions

Conversions Part 1

Format	Color
Hex	3256A4
RGB	50, 86, 164
RGB Percent	20%, 34%, 64%
CMY	0.8022, 0.6615, 0.3555
CMYK	0.69, 0.47, 0.00, 0.36
HSL	221°, 53%, 42%
HSV	221°, 69%, 64%
XYZ	11.4231, 10.0881, 36.6373
YIQ	84.1280, -46.4940, 16.6260

Conversions

Conversions Part 2

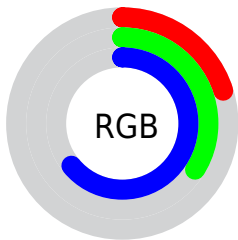
Format	Color
RYB	50, 77, 164
Decimal	3298980
CIELab	38.00, 13.99, -46.00
CIELCh	38, 48.084, 286.913
Yxy	10.0881, 0.1964, 0.1735
Android (android.graphics.Color)	4281489060 (0xFF3256A4)
YUV	84.1280, 39.3769, -29.9303
Hunter-Lab	31.7617, 8.6148, -46.1582

Details

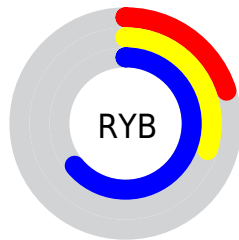
The CIELCh color **38, 48.084, 286.913** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **56, 46.388, 83.341**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 48.485, 286.990**, and **19, 46.814, 291.976** is the 20% darker color. If you saturate the color by 10%, you get **34, 55.713, 290.226**, and if you desaturate by 10%, it is **42, 40.664, 283.899**.

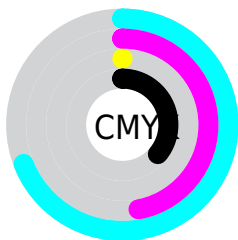
Distribution



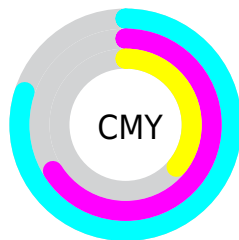
- Red (20%)
- Green (34%)
- Blue (64%)



- Red (20%)
- Yellow (30%)
- Blue (64%)



- Cyan (69%)
- Magenta (47%)
- Yellow (0%)
- Black (36%)



- Cyan (80%)
- Magenta (66%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 48.084, 286.913 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 38, 48.084, 286.913 by changing the saturation by 10% instead.

■ 38, 48.084,
286.913

■ 38, 48.084,
286.913

■ 100, 48.084,
286.913

■ 28, 48.084,
286.913

■ 58, 48.084,
286.913

■ 18, 48.084,
286.913

■ 68, 48.084,
286.913

■ 8, 48.084, 286.913

■ 78, 48.084,
286.913

■ 0, 48.084, 286.913

■ 88, 48.084,
286.913

■ 98, 48.084,
286.913

■ 38, 48.084,
286.913

■ 38, 48.084,
286.913

■ 34, 55.713,
290.226

■ 42, 40.664,
283.899

■ 31, 63.499,
293.709

■ 46, 33.445,
281.235

■ 27, 71.277,
297.074

■ 51, 26.399,
278.922

■ 27, 71.810,
297.284

■ 55, 19.501,
276.934

■ 59, 12.734,
275.232

■ 63, 6.088, 273.784

■ 68, 0.440, 92.042

■ 72, 6.854, 91.369

Harmonies

Complementary

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



38, 48.084, 286.913



56, 46.388, 83.341

Rectangle

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



38, 48.084, 286.913



38, 48.084, 336.913



38, 48.084, 106.913



38, 48.084, 156.913

Sweetspot

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



38, 48.084, 286.914



74, 17.213, 275.565



61, 41.586, 166.640



38, 11.656, 275.996



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



38, 48.084, 286.914



43, 72.805, 292.040



30, 71.013, 304.675



32, 3.679, 273.778



24, 64.918, 296.911



1, 5.870, 274.785

Inverse Universe

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



39, 49.628, 6.161



47, 69.682, 11.728



64, 58.644, 113.115



32, 3.948, 355.736



30, 56.979, 18.568



1, 5.943, 356.989

Previews

White Background



This preview shows how the CIELCh color 38, 48.084, 286.913 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 38, 48.084, 286.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

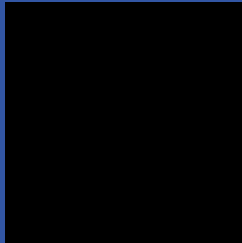
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 48.084, 286.913

Background



This preview shows how black text looks on a background with the CIELCh color 38, 48.084, 286.913.



This preview shows how white text looks on a background with the CIELCh color 38, 48.084, 286.913.

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

38, 48.084, 286.913

Protanopia

38, 48.059, 286.375

Deuteranopia

38, 43.894, 275.863



Tritanopia
38, 24.175, 208.561

Trichromacy



Original Color
38, 48.084, 286.913

Protanomaly
38, 48.033, 286.580

Deuteranomaly
38, 45.872, 279.475

Tritanomaly
37, 26.872, 249.964

Monochromacy



Original Color
38, 48.084, 286.913

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 17.809, 277.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 48.084, 286.913 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(50, 86, 164)` looks like.

```
.text, #text, p{  
    color:rgb(50, 86, 164)  
}
```

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(50, 86, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 86, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 48.084, 286.913 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(50, 86, 164) }
```

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

```
.border{ border-color:rgb(50, 86, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 86, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 86, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 86, 164);  
box-shadow:4px 4px 4px 4px rgb(50, 86,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 48.084, 286.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 86, 164) }
```

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

```
.background{ background-color: rgb(50, 86,  
164) }
```

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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