

Converting Colors

CIELCh(38, 24.768, 256.766)

Have a look what the booklet for
CIELCh(38, 24.768, 256.766)
contains.

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Color

CIELCh(38, 24.765, 256.768)

Conversions

Conversions Part 1

Format	Color
Hex	2B5E80
RGB	43, 94, 128
RGB Percent	17%, 37%, 50%
CMY	0.8311, 0.6312, 0.4978
CMYK	0.66, 0.27, 0.00, 0.50
HSL	204°, 50%, 34%
HSV	204°, 66%, 50%
XYZ	8.9048, 10.0881, 21.9167
YIQ	82.6270, -41.3100, -0.2380

Conversions

Conversions Part 2

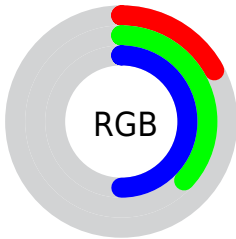
Format	Color
RYB	43, 75, 128
Decimal	2842240
CIELab	38.00, -5.67, -24.11
CIELCh	38, 24.765, 256.768
Yxy	10.0881, 0.2177, 0.2466
Android (android.graphics.Color)	4281032320 (0xFF2B5E80)
YUV	82.6270, 22.3689, -34.7529
Hunter-Lab	31.7617, -5.5384, -18.6790

Details

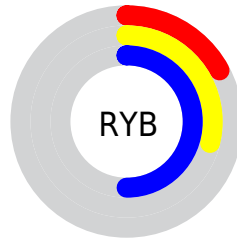
The CIELCh color **38, 24.765, 256.768** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 34.095, 57.863**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 24.823, 257.253**, and **19, 23.217, 266.211** is the 20% darker color. If you saturate the color by 10%, you get **36, 27.766, 260.389**, and if you desaturate by 10%, it is **40, 21.568, 253.697**.

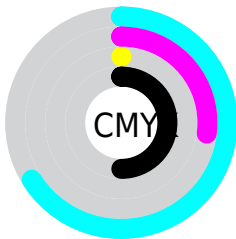
Distribution



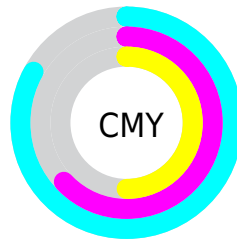
- Red (17%)
- Green (37%)
- Blue (50%)



- Red (17%)
- Yellow (29%)
- Blue (50%)



- Cyan (66%)
- Magenta (27%)
- Yellow (0%)
- Black (50%)



- Cyan (83%)
- Magenta (63%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 24.765, 256.768 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, 24.765, 256.768 by changing the saturation by 10% instead.

 38, 24.765,
256.768

 38, 24.765,
256.768

 100, 24.765,
256.768

 28, 24.765,
256.768

 58, 24.765,
256.768

 18, 24.765,
256.768

 68, 24.765,
256.768

 8, 24.765, 256.768

 78, 24.765,
256.768

 0, 24.765, 256.768

 88, 24.765,
256.768

 98, 24.765,
256.768

■ 38, 24.765,
256.768

■ 38, 24.765,
256.768

■ 36, 27.766,
260.389

■ 40, 21.568,
253.697

■ 34, 30.625,
264.555

■ 42, 18.159,
251.130

■ 32, 33.444,
269.098

■ 45, 14.541,
249.004

■ 31, 34.510,
270.648

■ 47, 10.735,
247.252

■ 50, 6.768, 245.815

■ 52, 2.671, 244.682

■ 55, 1.529, 63.349

■ 57, 5.805, 62.662

■ 60, 10.135, 61.978

Harmonies

Complementary

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



38, 24.765, 256.768



38, 34.095, 57.863

Rectangle

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



38, 24.765, 256.768



38, 24.765, 306.768



38, 24.765, 76.768



38, 24.765, 126.768

Sweetspot

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



38, 24.764, 256.768



62, 10.149, 246.367



48, 42.871, 151.554



32, 6.953, 246.708



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



38, 24.764, 256.768



45, 35.421, 262.601



25, 49.816, 296.885



26, 2.345, 244.952



31, 34.391, 270.625



0, 0.000, 0.000

Inverse Universe

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



32, 43.510, 345.092



38, 59.830, 347.705



50, 42.316, 99.063



25, 3.850, 339.252



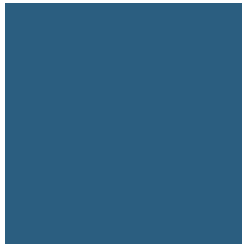
27, 52.569, 351.852



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 38, 24.765, 256.768 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, 24.765, 256.768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

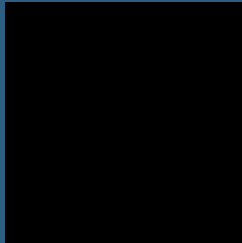
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 24.765, 256.768

Background



This preview shows how black text looks on a background with the CIELCh color 38, 24.765, 256.768.



This preview shows how white text looks on a background with the CIELCh color 38, 24.765, 256.768.

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, 24.765, 256.768

Protanopia

38, 21.656, 285.162

Deuteranopia

38, 25.506, 282.851



Tritanopia
38, 20.928, 210.792

Trichromacy



Original Color
38, 24.765, 256.768

Protanomaly
38, 22.567, 273.018

Deuteranomaly
38, 25.127, 273.250

Tritanomaly
38, 20.734, 228.099

Monochromacy



Original Color
38, 24.765, 256.768

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 10.165, 246.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 24.765, 256.768 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(43, 94, 128)` looks like.

```
.text, #text, p{  
    color:rgb(43, 94, 128)  
}
```

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(43, 94, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 94, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 24.765, 256.768 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(43, 94, 128) }
```

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

```
.border{ border-color:rgb(43, 94, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 94, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 94, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 94, 128);  
box-shadow:4px 4px 4px 4px rgb(43, 94,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 24.765, 256.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 94, 128) }
```

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

```
.background{ background-color: rgb(43, 94,  
128) }
```

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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