

Converting Colors

CIELCh(38, 26.418, 165.404)

Have a look what the booklet for
CIELCh(38, 26.418, 165.404)
contains.

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Color

CIELCh(38, 26.418, 165.404)

Conversions

Conversions Part 1

Format	Color
Hex	27644E
RGB	39, 100, 78
RGB Percent	15%, 39%, 31%
CMY	0.8472, 0.6080, 0.6942
CMYK	0.61, 0.00, 0.22, 0.61
HSL	158°, 44%, 27%
HSV	158°, 61%, 39%
XYZ	6.7632, 10.0881, 8.7924
YIQ	79.2530, -29.2940, -19.7740

Conversions

Conversions Part 2

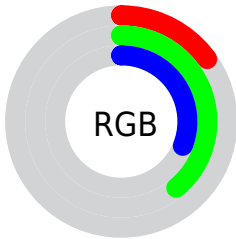
Format	Color
R_{YB}	39, 76, 100
Decimal	2581582
CIE _{Lab}	38.00, -25.57, 6.66
CIE _{LCh}	38, 26.418, 165.404
Yxy	10.0881, 0.2637, 0.3934
Android (android.graphics.Color)	4280771662 (0xFF27644E)
YUV	79.2530, -0.6177, -35.3019
Hunter-Lab	31.7617, -17.5737, 5.8204

Details

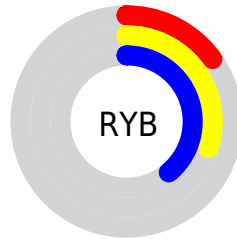
The CIELCh color **38, 26.418, 165.404** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 29.998, 359.761**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 26.338, 165.769**, and **19, 23.384, 161.461** is the 20% darker color. If you saturate the color by 10%, you get **38, 29.784, 163.909**, and if you desaturate by 10%, it is **38, 22.673, 166.745**.

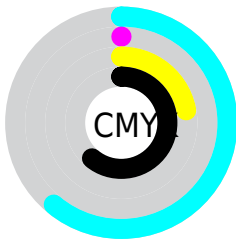
Distribution



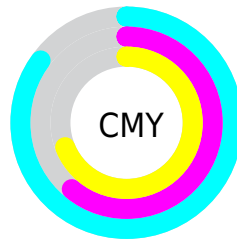
- Red (15%)
- Green (39%)
- Blue (31%)



- Red (15%)
- Yellow (30%)
- Blue (39%)



- Cyan (61%)
- Magenta (0%)
- Yellow (22%)
- Black (61%)



- Cyan (85%)
- Magenta (61%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 26.418, 165.404 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, 26.418, 165.404 by changing the saturation by 10% instead.

 38, 26.418,
165.404

 38, 26.418,
165.404

 100, 26.418,
165.404

 28, 26.418,
165.404

 58, 26.418,
165.404

 18, 26.418,
165.404

 68, 26.418,
165.404

 8, 26.418, 165.404

 78, 26.418,
165.404

 0, 26.418, 165.404

 88, 26.418,
165.404

 98, 26.418,
165.404

■ 38, 26.418,
165.404

■ 38, 26.418,
165.404

■ 38, 29.784,
163.909

■ 38, 22.673,
166.745

■ 37, 32.729,
162.244

■ 39, 18.607,
167.955

■ 37, 35.242,
160.399

■ 40, 14.288,
169.055

■ 37, 37.366,
158.804

■ 40, 9.785, 170.064

■ 41, 5.162, 171.011

■ 42, 0.477, 172.391

■ 43, 4.224, 352.546

■ 44, 8.901, 353.331

■ 46, 13.525,
354.051

Harmonies

Complementary

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



38, 26.418, 165.404



25, 29.998, 359.761

Rectangle

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



38, 26.418, 165.404



38, 26.418, 215.404



38, 26.418, 345.404



38, 26.418, 35.404

Sweetspot

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



38, 26.418, 165.403



52, 10.421, 170.305



38, 39.450, 130.895



27, 7.286, 170.095



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 26.418, 165.403



48, 37.447, 163.245



36, 17.859, 213.939



21, 2.675, 171.206



42, 41.472, 158.411



85, 73.776, 156.948

Inverse Universe

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



25, 29.998, 359.761



30, 43.090, 3.223



26, 28.155, 35.198



19, 2.729, 352.607



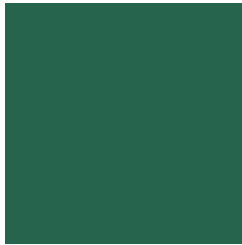
23, 47.161, 12.927



51, 82.642, 16.498

Previews

White Background



This preview shows how the CIELCh color 38, 26.418, 165.404 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, 26.418, 165.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

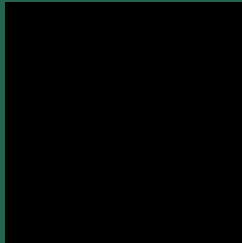
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 26.418, 165.404

Background



This preview shows how black text looks on a background with the CIELCh color 38, 26.418, 165.404.



This preview shows how white text looks on a background with the CIELCh color 38, 26.418, 165.404.

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, 26.418, 165.404

Protanopia
38, 10.048, 95.545

Deuteranopia
38, 7.370, 44.651



Tritanopia
38, 16.814, 214.722

Trichromacy



Original Color
38, 26.418, 165.404

Protanomaly
37, 13.808, 144.666

Deuteranomaly
37, 8.810, 148.130

Tritanomaly
38, 18.333, 193.225

Monochromacy



Original Color
38, 26.418, 165.404

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 10.821, 170.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 26.418, 165.404 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(39, 100, 78)` looks like.

```
.text, #text, p{  
    color:rgb(39, 100, 78)  
}
```

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(39, 100, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 100, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 26.418, 165.404 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(39, 100, 78) }
```

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

```
.border{ border-color:rgb(39, 100, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 100, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 100, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 100, 78);  
box-shadow:4px 4px 4px 4px rgb(39, 100,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 26.418, 165.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 100, 78) }
```

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

```
.background{ background-color: rgb(39, 100,  
78) }
```

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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