

Converting Colors

CIELCh(38, 64.597, 6.676)

Have a look what the booklet for
CIELCh(38, 64.597, 6.676) contains.

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Color

CIELCh(38, 64.463, 6.721)

Conversions

Conversions Part 1

Format	Color
Hex	B20150
RGB	178, 1, 80
RGB Percent	70%, 0%, 31%
CMY	0.3010, 0.9975, 0.6856
CMYK	0.00, 1.00, 0.55, 0.30
HSL	333°, 99%, 35%
HSV	333°, 100%, 70%
XYZ	19.8759, 10.0881, 8.5245
YIQ	62.9290, 80.1330, 62.0930

Conversions

Conversions Part 2

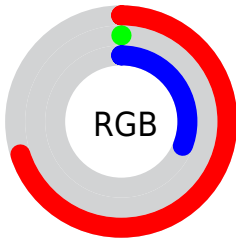
Format	Color
R_{YB}	178, 1, 80
Decimal	11665744
CIE _{Lab}	38.00, 64.02, 7.54
CIE _{LCh}	38, 64.463, 6.721
Yxy	10.0881, 0.5164, 0.2621
Android (android.graphics.Color)	4289855824 (0xFFB20150)
YUV	62.9290, 8.4160, 100.9173
Hunter-Lab	31.7617, 56.1190, 6.3204

Details

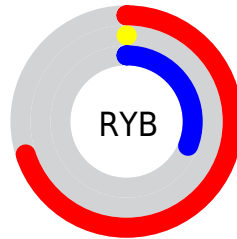
The CIELCh color **38, 64.463, 6.721** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **64, 64.162, 152.059**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 64.381, 6.570**, and **24, 48.934, 18.191** is the 20% darker color. If you saturate the color by 10%, you get **38, 64.527, 6.874**, and if you desaturate by 10%, it is **39, 62.619, 2.481**.

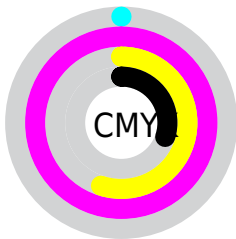
Distribution



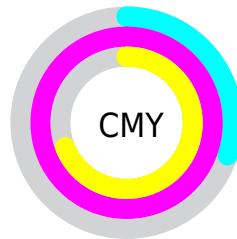
- Red (70%)
- Green (0%)
- Blue (31%)



- Red (70%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.463, 6.721 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, 64.463, 6.721 by changing the saturation by 10% instead.

 38, 64.463, 6.721

 38, 64.463, 6.721

 100, 64.463, 6.721

 28, 64.463, 6.721

 58, 64.463, 6.721

 18, 64.463, 6.721

 68, 64.463, 6.721

 8, 64.463, 6.721

 78, 64.463, 6.721

 0, 64.463, 6.721

 88, 64.463, 6.721

 98, 64.463, 6.721

 38, 64.463, 6.721

 38, 64.463, 6.721

 38, 64.527, 6.874

 39, 62.619, 2.481

 41, 59.466,

358.961

■ 43, 54.624,
356.181

■ 46, 48.318,
353.971

■ 50, 40.939,
352.180

■ 54, 32.900,
350.695

■ 58, 24.546,
349.432

■ 63, 16.131,
348.332

■ 68, 7.822, 347.342

Harmonies

Complementary

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



38, 64.463, 6.721



64, 64.162, 152.059

Rectangle

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



38, 64.463, 6.721



38, 64.463, 56.721



38, 64.463, 186.721



38, 64.463, 236.721

Sweetspot

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



38, 64.460, 6.723



74, 30.797, 349.535



29, 94.184, 313.141



37, 21.214, 350.045



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



38, 64.460, 6.723



50, 78.630, 7.795



37, 78.999, 40.429



35, 4.597, 347.311



32, 57.658, 6.239



2, 10.315, 352.747

Inverse Universe

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



38, 64.460, 6.723



50, 78.630, 7.795



63, 35.831, 204.635



35, 4.597, 347.311



32, 57.658, 6.239



2, 10.315, 352.747

Previews

White Background



This preview shows how the CIELCh color 38, 64.463, 6.721 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, 64.463, 6.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

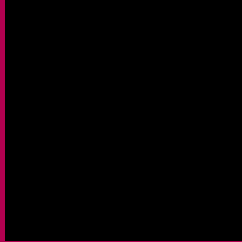
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 64.463, 6.721

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.463, 6.721.



This preview shows how white text looks on a background with the CIELCh color 38, 64.463, 6.721.

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, 64.357, 6.781

Protanopia

39, 15.372, 285.581

Deuteranopia

39, 13.116, 63.971



Tritanopia
38, 67.819, 34.643

Trichromacy



Original Color
38, 64.357, 6.781

Protanomaly
34, 36.238, 336.947

Deuteranomaly
35, 35.768, 7.370

Tritanomaly
38, 65.288, 24.883

Monochromacy



Original Color
38, 64.357, 6.781

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 32.551, 353.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 64.463, 6.721 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(178, 1, 80)` looks like.

```
.text, #text, p{  
    color:rgb(178, 1, 80)  
}
```

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(178, 1, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 1, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.463, 6.721 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(178, 1, 80) }
```

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

```
.border{ border-color:rgb(178, 1, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 1, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 1, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 1, 80);  
box-shadow:4px 4px 4px 4px rgb(178, 1, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.463, 6.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 1, 80) }
```

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

```
.background{ background-color: rgb(178, 1,  
80) }
```

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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