

Converting Colors

CIELCh(38, 7.464, 20.436)

Have a look what the booklet for
CIELCh(38, 7.464, 20.436) contains.

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Color

CIELCh(38, 7.464, 20.436)

Conversions

Conversions Part 1

Format	Color
Hex	665555
RGB	102, 85, 85
RGB Percent	40%, 33%, 33%
CMY	0.5981, 0.6648, 0.6648
CMYK	0.00, 0.17, 0.17, 0.60
HSL	0°, 9%, 37%
HSV	0°, 17%, 40%
XYZ	10.4790, 10.0881, 10.0874
YIQ	90.0830, 10.1320, 3.6040

Conversions

Conversions Part 2

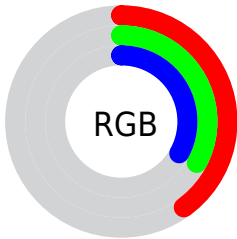
Format	Color
R _Y B	102, 85, 85
Decimal	6706517
CIE Lab	38.00, 6.99, 2.61
CIE LCh	38, 7.464, 20.436
Yxy	10.0881, 0.3418, 0.3291
Android (android.graphics.Color)	4284896597 (0xFF665555)
YUV	90.0830, -2.5059, 10.4512
Hunter-Lab	31.7617, 3.3088, 3.4030

Details

The CIELCh color $[38, 7.464, 20.436]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[42, 6.750, 198.641]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 7.229, 20.093]$, and $[18, 7.525, 21.144]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 12.402, 21.343]$, and if you desaturate by 10%, it is $[41, 2.861, 19.682]$.

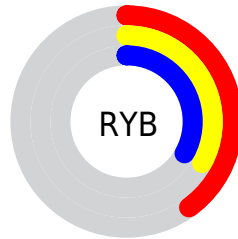
Distribution



Red (40%)

Green (33%)

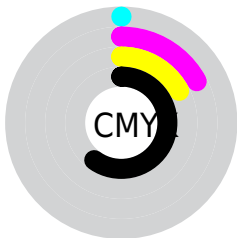
Blue (33%)



Red (40%)

Yellow (33%)

Blue (33%)

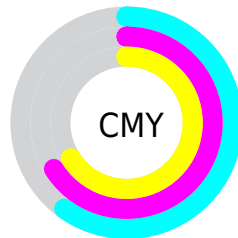


Cyan (0%)

Magenta (17%)

Yellow (17%)

Black (60%)



Cyan (60%)

Magenta (66%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 7.464, 20.436 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, 7.464, 20.436 by changing the saturation by 10% instead.

 38, 7.464, 20.436  38, 7.464, 20.436

 100, 7.464, 20.436  28, 7.464, 20.436

 58, 7.464, 20.436  18, 7.464, 20.436

 68, 7.464, 20.436  8, 7.464, 20.436

 78, 7.464, 20.436  0, 7.464, 20.436

 88, 7.464, 20.436

 98, 7.464, 20.436

 38, 7.464, 20.436  38, 7.464, 20.436

 35, 12.402, 21.343  41, 2.861, 19.682

 32, 17.667, 22.482  45, 1.416, 199.494

■ 29, 23.219, 23.942

■ 48, 5.390, 198.881

■ 26, 28.975, 25.816

■ 51, 9.089, 198.503

■ 24, 34.804, 28.190

■ 55, 12.542,
198.207

■ 22, 40.529, 31.098

■ 58, 15.777,
197.966

■ 21, 45.696, 34.047

■ 20, 49.452, 35.615

■ 61, 18.819,
197.768

■ 19, 50.710, 36.027

■ 65, 21.692,
197.603

■ 68, 24.417,
197.465

Harmonies

Complementary

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



38, 7.464, 20.436



42, 6.750, 198.641

Rectangle

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



38, 7.464, 20.436



38, 7.464, 70.436



38, 7.464, 200.436



38, 7.464, 250.436

Sweetspot

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



38, 7.463, 20.445



53, 2.662, 19.559



39, 12.602, 325.282



27, 1.805, 19.602



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, 7.463, 20.445



47, 11.270, 20.777



40, 6.369, 73.480



19, 2.443, 19.858



22, 55.894, 37.355



51, 100.589, 40.001

Inverse Universe

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



42, 6.750, 198.641



53, 9.933, 198.448



39, 6.121, 257.590



21, 2.318, 199.055



43, 27.791, 196.411



87, 48.194, 196.413

Previews

White Background



This preview shows how the CIELCh color 38, 7.464, 20.436 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 38, 7.464, 20.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

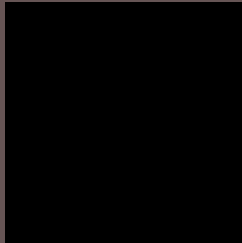
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 7.464, 20.436

Background



This preview shows how black text looks on a background with the CIELCh color 38, 7.464, 20.436.

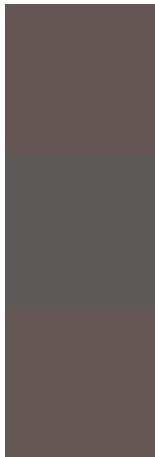


This preview shows how white text looks on a background with the CIELCh color 38, 7.464, 20.436.

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, 7.464, 20.436

Protanopia

38, 1.413, 45.029

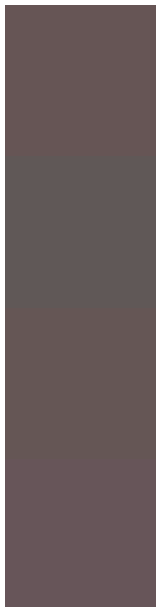
Deuteranopia

38, 5.827, 32.204



Tritanopia
38, 8.558, 355.276

Trichromacy



Original Color
38, 7.464, 20.436

Protanomaly
38, 3.506, 29.828

Deuteranomaly
38, 6.609, 25.573

Tritanomaly
38, 8.162, 3.172

Monochromacy



Original Color
38, 7.464, 20.436

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 2.567, 19.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 7.464, 20.436 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(102, 85, 85)` looks like.

```
.text, #text, p{  
    color:rgb(102, 85, 85)  
}
```

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(102, 85, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 85, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 7.464, 20.436 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(102, 85, 85) }
```

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

```
.border{ border-color:rgb(102, 85, 85) }
```

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

Here you see how a box with a 4 pixel rgb(102, 85, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 85, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 85, 85);  
box-shadow:4px 4px 4px 4px rgb(102, 85,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 7.464, 20.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 85, 85) }
```

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

```
.background{ background-color: rgb(102, 85,  
85) }
```

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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