

Converting Colors

CIELCh(50, 5.927, 18.373)

Have a look what the booklet for
CIELCh(50, 5.927, 18.373) contains.

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Color

CIELCh(50, 5.766, 20.004)

Conversions

Conversions Part 1

Format	Color
Hex	827474
RGB	130, 116, 116
RGB Percent	51%, 45%, 45%
CMY	0.4911, 0.5460, 0.5460
CMYK	0.00, 0.11, 0.11, 0.49
HSL	0°, 6%, 48%
HSV	0°, 11%, 51%
XYZ	18.5258, 18.4187, 19.0299
YIQ	120.1860, 8.3440, 2.9680

Conversions

Conversions Part 2

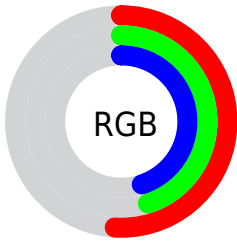
Format	Color
RYB	130, 116, 116
Decimal	8549492
CIELab	50.00, 5.42, 1.97
CIElCh	50, 5.766, 20.004
Yxy	18.4187, 0.3310, 0.3291
Android (android.graphics.Color)	4286739572 (0xFF827474)
YUV	120.1860, -2.0637, 8.6069
Hunter-Lab	42.9170, 1.9478, 3.7520

Details

The CIELCh color $50, 5.766, 20.004$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 5.399, 198.931$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 5.751, 19.825$, and $30, 5.916, 20.348$ is the 20% darker color. If you saturate the color by 10%, you get $46, 11.539, 20.844$, and if you desaturate by 10%, it is $54, 0.405, 18.476$.

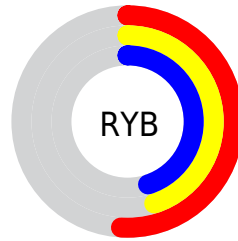
Distribution



Red (51%)

Green (45%)

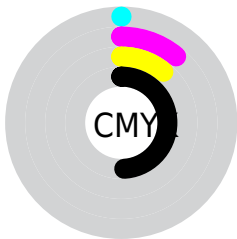
Blue (45%)



Red (51%)

Yellow (45%)

Blue (45%)

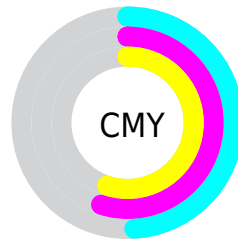


Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (49%)



Cyan (49%)












Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 5.766, 20.004 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 50, 5.766, 20.004 by changing the saturation by 10% instead.

 50, 5.766, 20.004	 50, 5.766, 20.004
 100, 5.766, 20.004	 40, 5.766, 20.004
 70, 5.766, 20.004	 30, 5.766, 20.004
 80, 5.766, 20.004	 20, 5.766, 20.004
 90, 5.766, 20.004	 10, 5.766, 20.004
	 0, 5.766, 20.004

 50, 5.766, 20.004	 50, 5.766, 20.004
 46, 11.539, 20.844	 54, 0.405, 18.476
 42, 17.730, 21.875	 58, 4.566, 199.066
 39, 24.309, 23.200	 62, 9.179, 198.630

■ 35, 31.197, 24.915

■ 66, 13.473,
198.301

■ 33, 38.257, 27.117

■ 70, 17.483,
198.037

■ 30, 45.289, 29.878

■ 28, 52.016, 33.151

■ 74, 21.244,
197.821

■ 27, 57.902, 36.485

■ 78, 24.786,
197.643

■ 26, 62.001, 38.493

■ 82, 28.137,
197.495

■ 86, 31.320,
197.370

Harmonies

Complementary

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



50, 5.766, 20.004



53, 5.399, 198.931

Rectangle

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



50, 5.766, 20.004



50, 5.766, 70.004



50, 5.766, 200.004



50, 5.766, 250.004

Sweetspot

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



50, 5.765, 20.018



67, 1.927, 19.344



50, 9.913, 324.991



35, 1.458, 19.436



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 5.765, 20.018



63, 8.677, 20.212



52, 4.960, 74.104



25, 2.950, 19.888



25, 61.099, 38.350



0, 0.000, 0.000

Inverse Universe

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



53, 5.399, 198.931



67, 7.998, 198.791



51, 4.839, 256.833



26, 2.793, 199.030



48, 29.971, 196.411



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 5.766, 20.004 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 5.766, 20.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

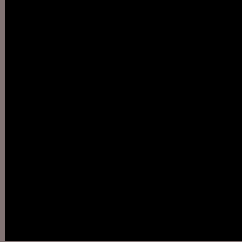
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 5.766, 20.004

Background



This preview shows how black text looks on a background with the CIELCh color 50, 5.766, 20.004.

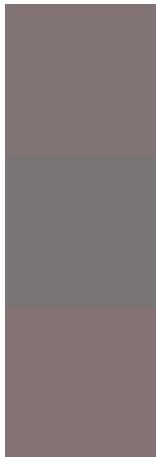


This preview shows how white text looks on a background with the CIELCh color 50, 5.766, 20.004.

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


50, 5.766, 20.004

Protanopia

50, 1.342, 45.007

Deuteranopia

50, 7.042, 15.448



Tritanopia
50, 8.335, 341.330

Trichromacy



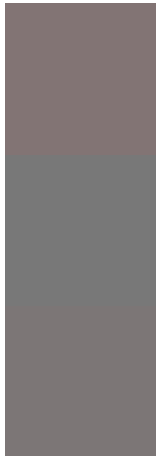
Original Color
50, 5.766, 20.004

Protanomaly
50, 2.852, 19.599

Deuteranomaly
50, 6.623, 15.092

Tritanomaly
50, 7.394, 352.034

Monochromacy



Original Color
50, 5.766, 20.004

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 2.437, 19.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 5.766, 20.004 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(130, 116, 116)` looks like.

```
.text, #text, p{  
    color:rgb(130, 116, 116)  
}
```

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(130, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 116, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 5.766, 20.004 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(130, 116, 116) }
```

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

```
.border{ border-color:rgb(130, 116, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 116, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 116, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 116, 116);  
box-shadow:4px 4px 4px 4px rgb(130, 116,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 5.766, 20.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 116, 116) }
```

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

```
.background{ background-color: rgb(130,  
116, 116) }
```

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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