

Converting Colors

CIELCh(48, 20.645, 292.891)

Have a look what the booklet for
CIELCh(48, 20.645, 292.891)
contains.

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Color

CIELCh(48, 20.666, 292.886)

Conversions

Conversions Part 1

Format	Color
Hex	6F6F92
RGB	111, 111, 146
RGB Percent	44%, 44%, 57%
CMY	0.5651, 0.5651, 0.4278
CMYK	0.24, 0.24, 0.00, 0.43
HSL	240°, 14%, 50%
HSV	240°, 24%, 57%
XYZ	17.3988, 16.7945, 29.4789
YIQ	114.9900, -11.2350, 10.8850

Conversions

Conversions Part 2

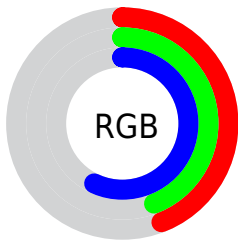
Format	Color
R_{YB}	111, 111, 146
Decimal	7303058
CIE _{Lab}	48.00, 8.04, -19.04
CIE _{LCh}	48, 20.666, 292.886
Yxy	16.7945, 0.2733, 0.2638
Android (android.graphics.Color)	4285493138 (0xFF6F6F92)
YUV	114.9900, 15.2879, -3.4992
Hunter-Lab	40.9810, 4.0668, -13.9624

Details

The CIELCh color $48, 20.666, 292.886$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 19.565, 107.920$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 20.404, 292.230$, and $28, 20.750, 293.077$ is the 20% darker color. If you saturate the color by 10%, you get $43, 29.893, 294.356$, and if you desaturate by 10%, it is $53, 11.811, 291.630$.

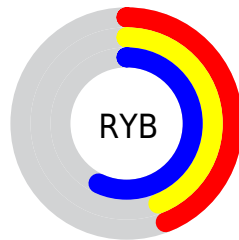
Distribution



Red (44%)

Green (44%)

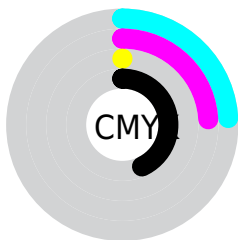
Blue (57%)



Red (44%)

Yellow (44%)

Blue (57%)

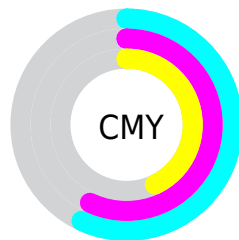


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (43%)



Cyan (57%)

Magenta (57%)

Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 20.666, 292.886 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 48, 20.666, 292.886 by changing the saturation by 10% instead.


 48, 20.666,
292.886


 48, 20.666,
292.886


 100, 20.666,
292.886

 38, 20.666,
292.886

 68, 20.666,
292.886


 28, 20.666,
292.886

 78, 20.666,
292.886

 18, 20.666,
292.886

 88, 20.666,
292.886

 8, 20.666, 292.886

 98, 20.666,
292.886

 0, 20.666, 292.886

 48, 20.666,

 48, 20.666,

292.886

43, 29.893,
294.356

38, 39.507,
296.062

32, 49.474,
297.998

28, 59.646,
300.111

23, 69.608,
302.260

20, 78.487,
304.192

17, 84.976,
305.588

16, 88.267,
306.286

292.886

53, 11.811,
291.630

58, 3.305, 290.571

64, 4.876, 109.635

69, 12.759,
108.864

74, 20.363,
108.199

79, 27.709,
107.627

84, 34.813,
107.132

89, 41.691,
106.703

■ 94, 48.357,
106.329

Harmonies

Complementary

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



48, 20.666, 292.886



60, 19.565, 107.920

Rectangle

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



48, 20.666, 292.886



48, 20.666, 342.886



48, 20.666, 112.886



48, 20.666, 162.886

Sweetspot

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



48, 20.665, 292.885



72, 7.198, 290.884



58, 12.751, 196.726



37, 4.666, 290.934



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 20.665, 292.885



58, 31.175, 293.681



49, 21.583, 309.612



28, 4.780, 291.100



15, 84.626, 306.286



0, 4.113, 290.175

Inverse Universe

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



50, 14.850, 21.156



61, 22.608, 21.758



58, 20.877, 127.403



29, 3.343, 19.887



28, 65.124, 38.926



1, 2.828, 19.400

Previews

White Background



This preview shows how the CIELCh color 48, 20.666, 292.886 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 CIELCh color 48, 20.666, 292.886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

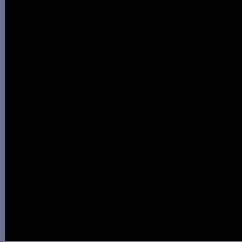
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 20.666, 292.886

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.666, 292.886.



This preview shows how white text looks on a background with the CIELCh color 48, 20.666, 292.886.

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

48, 20.666, 292.886

Protanopia

48, 20.154, 284.804

Deuteranopia

48, 20.072, 288.761



Tritanopia
48, 6.072, 260.368

Trichromacy



Original Color
48, 20.666, 292.886

Protanomaly
48, 20.677, 288.004

Deuteranomaly
48, 20.058, 289.761

Tritanomaly
48, 10.792, 279.559

Monochromacy



Original Color
48, 20.666, 292.886

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.071, 291.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.666, 292.886 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(111, 111, 146)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 146)  
}
```

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(111, 111, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.666, 292.886 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(111, 111, 146) }
```

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

```
.border{ border-color:rgb(111, 111, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 111, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 146);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.666, 292.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 111, 146) }
```

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

```
.background{ background-color: rgb(111,  
111, 146) }
```

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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