

Converting Colors

CIELCh(48, 20.394, 261.871)

Have a look what the booklet for
CIELCh(48, 20.394, 261.871)
contains.

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Color

CIELCh(48, 20.519, 262.508)

Conversions

Conversions Part 1

Format	Color
Hex	567594
RGB	86, 117, 148
RGB Percent	34%, 46%, 58%
CMY	0.6633, 0.5417, 0.4202
CMYK	0.42, 0.21, 0.00, 0.42
HSL	210°, 27%, 46%
HSV	210°, 42%, 58%
XYZ	15.5027, 16.7945, 30.3797
YIQ	111.2650, -28.4270, 3.0690

Conversions

Conversions Part 2

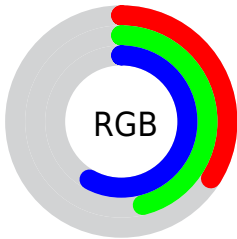
Format	Color
R _Y B	86, 107, 148
Decimal	5666196
CIE Lab	48.00, -2.68, -20.34
CIE LCh	48, 20.519, 262.508
Yxy	16.7945, 0.2473, 0.2680
Android (android.graphics.Color)	4283856276 (0xFF567594)
YUV	111.2650, 18.1104, -22.1574
Hunter-Lab	40.9810, -4.1922, -15.2656

Details

The CIELCh color **48, 20.519, 262.508** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **51, 23.062, 70.315**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 20.469, 262.163**, and **28, 20.406, 262.129** is the 20% darker color. If you saturate the color by 10%, you get **45, 25.200, 265.070**, and if you desaturate by 10%, it is **51, 15.743, 260.342**.

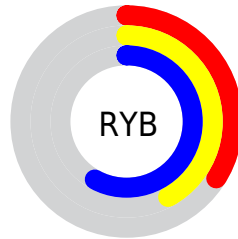
Distribution



Red (34%)

Green (46%)

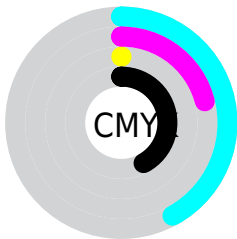
Blue (58%)



Red (34%)

Yellow (42%)

Blue (58%)

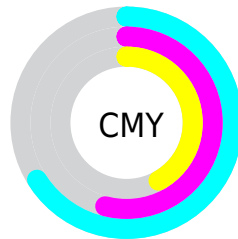


Cyan (42%)

Magenta (21%)

Yellow (0%)

Black (42%)



Cyan (66%)


Magenta (54%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 20.519, 262.508 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, 20.519, 262.508 by changing the saturation by 10% instead.


 48, 20.519,
262.508


 48, 20.519,
262.508


 100, 20.519,
262.508


 38, 20.519,
262.508

 68, 20.519,
262.508


 28, 20.519,
262.508

 78, 20.519,
262.508

 18, 20.519,
262.508

 88, 20.519,
262.508

 8, 20.519, 262.508

 98, 20.519,
262.508

 0, 20.519, 262.508

 48, 20.519,

 48, 20.519,

262.508

262.508

■ 45, 25.200,
265.070

■ 51, 15.743,
260.342

■ 42, 29.794,
268.080

■ 54, 10.882,
258.520

■ 39, 34.328,
271.562

■ 57, 5.952, 256.997

■ 36, 38.853,
275.495

■ 61, 0.971, 255.940

■ 64, 4.042, 74.447

■ 34, 43.440,
279.786

■ 67, 9.070, 73.528

■ 32, 47.267,
283.198

■ 70, 14.098, 72.711

■ 74, 19.114, 71.994

■ 77, 24.107, 71.364

Harmonies

Complementary

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



48, 20.519, 262.508



51, 23.062, 70.315

Rectangle

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



48, 20.519, 262.508



48, 20.519, 312.508



48, 20.519, 82.508



48, 20.519, 132.508

Sweetspot

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



48, 20.518, 262.507



72, 7.995, 257.183



56, 29.666, 158.743



37, 5.633, 257.479



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



48, 20.518, 262.507



58, 29.953, 264.814



39, 37.231, 295.091



30, 2.823, 256.633



30, 44.599, 282.880



1, 2.480, 255.418

Inverse Universe

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



45, 30.702, 347.736



53, 44.762, 348.966



60, 33.585, 105.525



29, 4.068, 344.345



29, 53.710, 0.877



1, 3.519, 343.642

Previews

White Background



This preview shows how the CIELCh color 48, 20.519, 262.508 looks on a white background.

Color Contrast Check

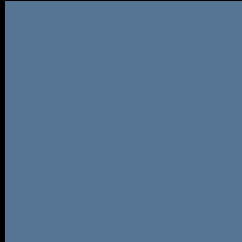
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 20.519, 262.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

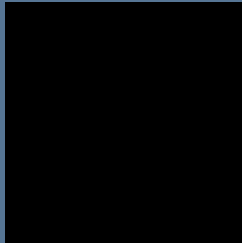
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

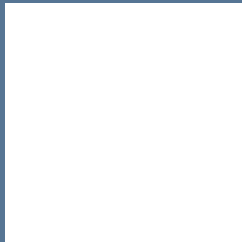
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 20.519, 262.508

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.519, 262.508.

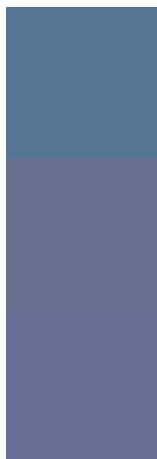


This preview shows how white text looks on a background with the CIELCh color 48, 20.519, 262.508.

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, 20.519, 262.508

Protanopia

48, 19.567, 285.491

Deuteranopia

48, 21.894, 286.663



Tritanopia
48, 14.693, 221.940

Trichromacy



Original Color
48, 20.519, 262.508

Protanomaly
48, 19.466, 276.150

Deuteranomaly
48, 21.141, 277.903

Tritanomaly
48, 15.608, 238.647

Monochromacy



Original Color
48, 20.519, 262.508

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 7.643, 257.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.519, 262.508 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(86, 117, 148)` looks like.

```
.text, #text, p{  
    color:rgb(86, 117, 148)  
}
```

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(86, 117, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 117, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.519, 262.508 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(86, 117, 148) }
```

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

```
.border{ border-color:rgb(86, 117, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 117, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 117, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 117, 148);  
box-shadow:4px 4px 4px 4px rgb(86, 117,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.519, 262.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 117, 148) }
```

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

```
.background{ background-color: rgb(86, 117,  
148) }
```

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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