

Converting Colors

CIELCh(49, 20.097, 257.280)

Have a look what the booklet for
CIELCh(49, 20.097, 257.280)
contains.

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Color

CIELCh(49, 20.097, 257.280)

Conversions

Conversions Part 1

Format	Color
Hex	557895
RGB	85, 120, 149
RGB Percent	33%, 47%, 58%
CMY	0.6659, 0.5287, 0.4149
CMYK	0.43, 0.19, 0.00, 0.41
HSL	207°, 27%, 46%
HSV	207°, 43%, 59%
XYZ	15.9427, 17.5941, 31.0712
YIQ	112.8410, -30.1690, 1.5990

Conversions

Conversions Part 2

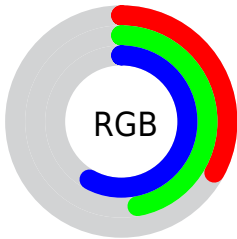
Format	Color
R _Y B	85, 108, 149
Decimal	5601429
CIE Lab	49.00, -4.43, -19.60
CIE LCh	49, 20.097, 257.280
Yxy	17.5941, 0.2468, 0.2723
Android (android.graphics.Color)	4283791509 (0xFF557895)
YUV	112.8410, 17.8264, -24.4166
Hunter-Lab	41.9453, -5.5593, -14.5577

Details

The CIELCh color **49, 20.097, 257.280** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **51, 23.507, 65.378**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 20.129, 257.159**, and **29, 19.962, 256.102** is the 20% darker color. If you saturate the color by 10%, you get **46, 24.414, 259.859**, and if you desaturate by 10%, it is **52, 15.619, 255.120**.

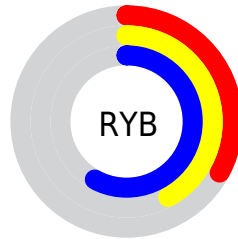
Distribution



Red (33%)

Green (47%)

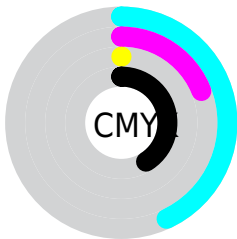
Blue (58%)



Red (33%)

Yellow (42%)

Blue (58%)

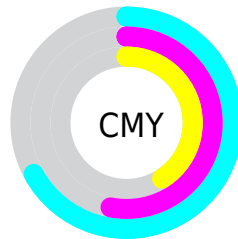


Cyan (43%)

Magenta (19%)

Yellow (0%)

Black (41%)



Cyan (67%)

Magenta (53%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 20.097, 257.280 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 49, 20.097, 257.280 by changing the saturation by 10% instead.

■ 49, 20.097,
257.280

■ 49, 20.097,
257.280

■ 100, 20.097,
257.280

■ 39, 20.097,
257.280

■ 69, 20.097,
257.280

■ 29, 20.097,
257.280

■ 79, 20.097,
257.280

■ 19, 20.097,
257.280

■ 89, 20.097,
257.280

■ 9, 20.097, 257.280

■ 99, 20.097,
257.280

■ 0, 20.097, 257.280

■ 49, 20.097,

■ 49, 20.097,

257.280

■ 46, 24.414,
259.859

■ 43, 28.572,
262.918

■ 41, 32.593,
266.491

■ 38, 36.533,
270.567

■ 36, 40.474,
275.060

■ 34, 43.365,
278.202

257.280

■ 52, 15.619,
255.120

■ 55, 10.998,
253.322

■ 58, 6.257, 251.833

■ 61, 1.421, 250.741

■ 64, 3.483, 69.347

■ 67, 8.433, 68.492

■ 70, 13.410, 67.727

■ 73, 18.397, 67.062

■ 76, 23.381, 66.481

Harmonies

Complementary

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



49, 20.097, 257.280



51, 23.507, 65.378

Rectangle

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



49, 20.097, 257.280



49, 20.097, 307.280



49, 20.097, 77.280



49, 20.097, 127.280

Sweetspot

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



49, 20.096, 257.279



73, 7.801, 251.882



57, 31.388, 156.986



38, 5.433, 252.163



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 20.096, 257.279



60, 29.171, 259.616



40, 37.050, 293.991



30, 2.730, 251.358



32, 40.639, 277.824



1, 2.406, 250.195

Inverse Universe

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



45, 32.484, 345.167



54, 47.247, 346.313



60, 33.560, 103.879



29, 4.200, 341.882



29, 54.363, 356.657



1, 3.637, 341.210

Previews

White Background



This preview shows how the CIE LCh color 49, 20.097, 257.280 looks on a white background.

Color Contrast Check

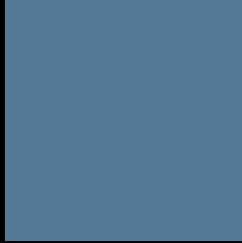
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 20.097, 257.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

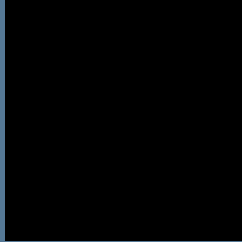
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

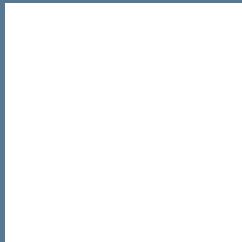
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 20.097, 257.280

Background



This preview shows how black text looks on a background with the CIELCh color 49, 20.097, 257.280.

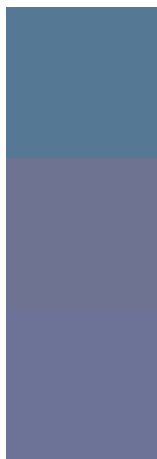


This preview shows how white text looks on a background with the CIELCh color 49, 20.097, 257.280.

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


49, 20.097, 257.280

Protanopia

49, 17.705, 285.507

Deuteranopia

49, 21.778, 288.394



Tritanopia
49, 15.510, 220.454

Trichromacy



Original Color
49, 20.097, 257.280

Protanomaly
49, 18.373, 273.712

Deuteranomaly
49, 20.524, 277.267

Tritanomaly
49, 16.279, 236.430

Monochromacy



Original Color
49, 20.097, 257.280

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.577, 250.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 20.097, 257.280 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(85, 120, 149)` looks like.

```
.text, #text, p{  
    color:rgb(85, 120, 149)  
}
```

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(85, 120, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 120, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 20.097, 257.280 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(85, 120, 149) }
```

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

```
.border{ border-color:rgb(85, 120, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 120, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 120, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 120, 149);  
box-shadow:4px 4px 4px 4px rgb(85, 120,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 20.097, 257.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 120, 149) }
```

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

```
.background{ background-color: rgb(85, 120,  
149) }
```

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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