

Converting Colors

CIELCh(49, 20.281, 156.098)

Have a look what the booklet for
CIELCh(49, 20.281, 156.098)
contains.

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Color

CIELCh(49, 20.341, 155.882)

Conversions

Conversions Part 1

Format	Color
Hex	577D66
RGB	87, 125, 102
RGB Percent	34%, 49%, 40%
CMY	0.6595, 0.5105, 0.6007
CMYK	0.30, 0.00, 0.18, 0.51
HSL	144°, 18%, 41%
HSV	144°, 30%, 49%
XYZ	13.6137, 17.5941, 15.2029
YIQ	111.0160, -15.2650, -15.2090

Conversions

Conversions Part 2

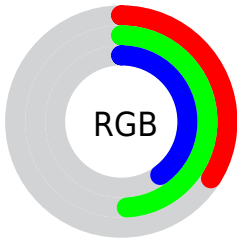
Format	Color
R_YB	87, 114, 125
Decimal	5733734
CIE _{Lab}	49.00, -18.57, 8.31
CIE _{LCh}	49, 20.341, 155.882
Yxy	17.5941, 0.2933, 0.3791
Android (android.graphics.Color)	4283923814 (0xFF577D66)
YUV	111.0160, -4.4449, -21.0620
Hunter-Lab	41.9453, -15.4704, 7.8723

Details

The CIELCh color $49, 20.341, 155.882$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 20.754, 340.762$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 20.425, 155.696$, and $29, 20.415, 155.330$ is the 20% darker color. If you saturate the color by 10%, you get $48, 26.834, 154.823$, and if you desaturate by 10%, it is $50, 13.695, 156.818$.

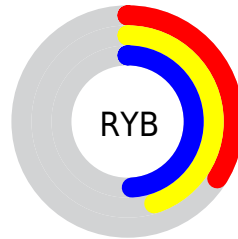
Distribution



Red (34%)

Green (49%)

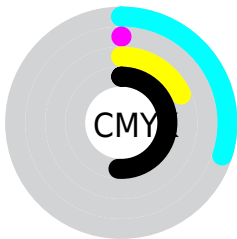
Blue (40%)



Red (34%)

Yellow (45%)

Blue (49%)

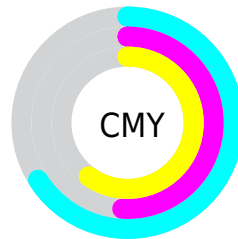


Cyan (30%)

Magenta (0%)

Yellow (18%)

Black (51%)



Cyan (66%)

Magenta (51%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 20.341, 155.882 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, 20.341, 155.882 by changing the saturation by 10% instead.

■ 49, 20.341,
155.882

■ 49, 20.341,
155.882

■ 100, 20.341,
155.882

■ 39, 20.341,
155.882

■ 69, 20.341,
155.882

■ 29, 20.341,
155.882

■ 79, 20.341,
155.882

■ 19, 20.341,
155.882

■ 89, 20.341,
155.882

■ 9, 20.341, 155.882

■ 99, 20.341,
155.882

■ 0, 20.341, 155.882

■ 49, 20.341,

■ 49, 20.341,

155.882

155.882

■ 48, 26.834,
154.823

■ 50, 13.695,
156.818

■ 47, 33.065,
153.620

■ 51, 6.985, 157.661

■ 47, 38.927,
152.253

■ 52, 0.288, 159.266

■ 54, 6.335, 338.978

■ 46, 44.314,
150.705

■ 55, 12.839,
339.597

■ 46, 49.142,
148.970

■ 56, 19.193,
340.148

■ 46, 53.361,
147.057

■ 58, 25.377,
340.650

■ 45, 56.973,
145.248

■ 60, 31.380,
341.112

■ 61, 37.198,

Harmonies

Complementary

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



49, 20.341, 155.882



42, 20.754, 340.762

Rectangle

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



49, 20.341, 155.882



49, 20.341, 205.882



49, 20.341, 335.882



49, 20.341, 25.882

Sweetspot

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



49, 20.342, 155.881



66, 7.494, 157.760



50, 22.750, 123.387



34, 5.184, 157.661



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 20.342, 155.881



62, 30.641, 155.104



50, 14.444, 187.454



25, 3.706, 157.774



45, 57.020, 145.246



87, 98.662, 143.997

Inverse Universe

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



42, 20.754, 340.762



51, 31.365, 341.454



41, 16.842, 12.836



24, 3.734, 338.998



26, 51.955, 351.356



55, 86.636, 353.105

Previews

White Background



This preview shows how the CIELCh color 49, 20.341, 155.882 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, 20.341, 155.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

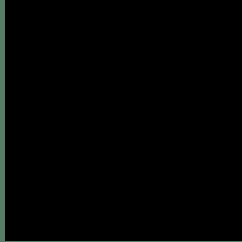
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 20.341, 155.882

Background



This preview shows how black text looks on a background with the CIELCh color 49, 20.341, 155.882.



This preview shows how white text looks on a background with the CIELCh color 49, 20.341, 155.882.

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, 20.341, 155.882

Protanopia

49, 11.394, 95.555

Deuteranopia

49, 9.104, 46.802



Tritanopia
49, 11.560, 229.208

Trichromacy



Original Color
49, 20.341, 155.882

Protanomaly
49, 12.434, 128.352

Deuteranomaly
49, 7.652, 115.431

Tritanomaly
49, 11.774, 192.392

Monochromacy



Original Color
49, 20.341, 155.882

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 7.418, 159.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 20.341, 155.882 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(87, 125, 102)` looks like.

```
.text, #text, p{  
    color:rgb(87, 125, 102)  
}
```

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(87, 125, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 20.341, 155.882 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(87, 125, 102) }
```

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

```
.border{ border-color:rgb(87, 125, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 125, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 102);  
box-shadow:4px 4px 4px 4px rgb(87, 125,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 20.341, 155.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 102) }
```

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

```
.background{ background-color: rgb(87, 125,  
102) }
```

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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