

Converting Colors

CIELCh(51, 20.465, 308.147)

Have a look what the booklet for
CIELCh(51, 20.465, 308.147)
contains.

CIELCh(51, 20.714, 308.120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 20.714, 308.120)

Conversions

Conversions Part 1

Format	Color
Hex	827395
RGB	130, 115, 149
RGB Percent	51%, 45%, 58%
CMY	0.4891, 0.5480, 0.4146
CMYK	0.13, 0.23, 0.00, 0.41
HSL	266°, 14%, 52%
HSV	266°, 23%, 59%
XYZ	20.8563, 19.2686, 31.1708
YIQ	123.3610, -1.9740, 13.7540

Conversions

Conversions Part 2

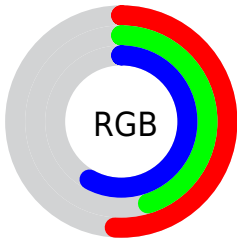
Format	Color
R_{YB}	130, 115, 149
Decimal	8549269
CIE _{Lab}	51.00, 12.79, -16.30
CIE _{LCh}	51, 20.714, 308.120
Yxy	19.2686, 0.2925, 0.2703
Android (android.graphics.Color)	4286739349 (0xFF827395)
YUV	123.3610, 12.6400, 5.8224
Hunter-Lab	43.8960, 7.9924, -11.3750

Details

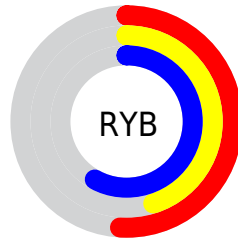
The CIELCh color $51, 20.714, 308.120$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 20.011, 125.925$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 20.585, 307.979$, and $31, 20.504, 307.815$ is the 20% darker color. If you saturate the color by 10%, you get $46, 30.205, 308.693$, and if you desaturate by 10%, it is $56, 11.454, 307.587$.

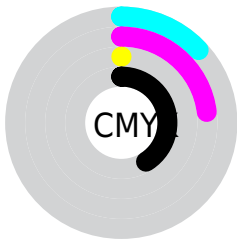
Distribution



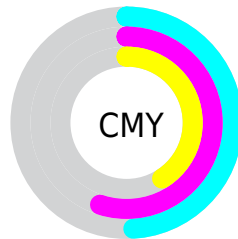
- Red (51%)
- Green (45%)
- Blue (58%)



- Red (51%)
- Yellow (45%)
- Blue (58%)



- Cyan (13%)
- Magenta (23%)
- Yellow (0%)
- Black (41%)





- Cyan (49%)
- Magenta (55%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 20.714, 308.120 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 51, 20.714, 308.120 by changing the saturation by 10% instead.


 51, 20.714,
308.120


 51, 20.714,
308.120


 100, 20.714,
308.120


 41, 20.714,
308.120


 71, 20.714,
308.120

 31, 20.714,
308.120

 81, 20.714,
308.120

 21, 20.714,
308.120

 91, 20.714,
308.120

 11, 20.714,
308.120

 1, 20.714, 308.120

 0, 20.714, 308.120

51, 20.714,
308.120

51, 20.714,
308.120

46, 30.205,
308.693

56, 11.454,
307.587

42, 39.859,
309.295

60, 2.462, 307.082

37, 49.539,
309.898

65, 6.254, 126.697

33, 58.999,
310.458

70, 14.695,
126.309

29, 67.840,
310.900

75, 22.870,
125.973

26, 75.479,
311.123

79, 30.790,
125.680


23, 81.222,
311.003

84, 38.468,
125.426

21, 84.591,

89, 45.917,
125.206

310.829

 93, 53.151,
125.018

Harmonies

Complementary

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



51, 20.714, 308.120



60, 20.011, 125.925

Rectangle

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



51, 20.714, 308.120



51, 20.714, 358.120



51, 20.714, 128.120



51, 20.714, 178.120

Sweetspot

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



51, 20.713, 308.119



74, 7.696, 307.304



55, 10.791, 250.904



38, 4.990, 307.329



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



51, 20.713, 308.119



63, 30.566, 308.388



53, 23.131, 323.753



29, 4.997, 307.406



19, 79.691, 310.910



0, 4.315, 306.986

Inverse Universe

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



52, 17.404, 342.453



65, 25.570, 342.897



59, 23.052, 141.326



29, 4.235, 341.275



29, 54.585, 355.603



1, 3.668, 340.611

Previews

White Background



This preview shows how the CIELCh color 51, 20.714, 308.120 looks on a white background.

Color Contrast Check

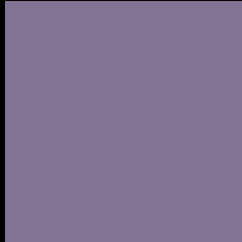
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 20.714, 308.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

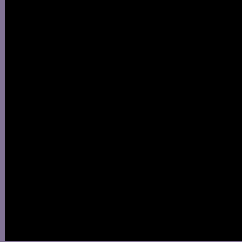
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 20.714, 308.120

Background



This preview shows how black text looks on a background with the CIELCh color 51, 20.714, 308.120.



This preview shows how white text looks on a background with the CIELCh color 51, 20.714, 308.120.

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

51, 20.714, 308.120

Protanopia

51, 19.303, 286.303

Deuteranopia

51, 17.522, 293.566



Tritanopia
51, 6.163, 321.696

Trichromacy



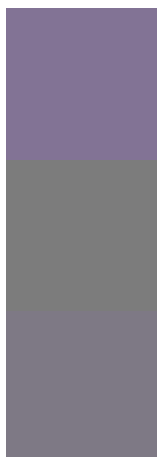
Original Color
51, 20.714, 308.120

Protanomaly
51, 19.889, 294.737

Deuteranomaly
51, 18.275, 299.331

Tritanomaly
51, 11.244, 311.531

Monochromacy



Original Color
51, 20.714, 308.120

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 7.282, 306.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 20.714, 308.120 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, 115, 149)` looks like.

```
.text, #text, p{  
    color:rgb(130, 115, 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(130, 115, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 115, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 20.714, 308.120 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, 115, 149) }
```

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

```
.border{ border-color:rgb(130, 115, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 115, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 115, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 115, 149);  
box-shadow:4px 4px 4px 4px rgb(130, 115,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 20.714, 308.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 115, 149) }
```

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

```
.background{ background-color: rgb(130,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor