

Converting Colors

CIELCh(40, 20.458, 309.906)

Have a look what the booklet for
CIELCh(40, 20.458, 309.906)
contains.

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Color

CIELCh(40, 20.559, 310.286)

Conversions

Conversions Part 1

Format	Color
Hex	685878
RGB	104, 88, 120
RGB Percent	41%, 35%, 47%
CMY	0.5926, 0.6553, 0.5299
CMYK	0.13, 0.27, 0.00, 0.53
HSL	270°, 15%, 41%
HSV	270°, 27%, 47%
XYZ	12.5596, 11.2510, 19.2420
YIQ	96.4320, -0.7360, 13.3440

Conversions

Conversions Part 2

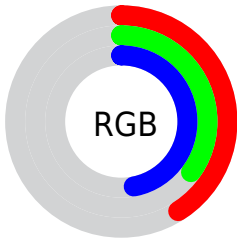
Format	Color
R_{YB}	104, 88, 120
Decimal	6838392
CIE _{Lab}	40.00, 13.29, -15.68
CIE _{LCh}	40, 20.559, 310.286
Yxy	11.2510, 0.2917, 0.2613
Android (android.graphics.Color)	4285028472 (0xFF685878)
YUV	96.4320, 11.6190, 6.6371
Hunter-Lab	33.5425, 8.1381, -10.5327

Details

The CIELCh color $40, 20.559, 310.286$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $48, 19.847, 127.894$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 20.300, 309.975$, and $20, 20.610, 310.314$ is the 20% darker color. If you saturate the color by 10%, you get $36, 28.570, 310.799$, and if you desaturate by 10%, it is $44, 12.692, 309.795$.

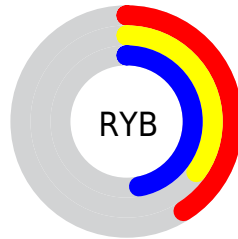
Distribution



Red (41%)

Green (35%)

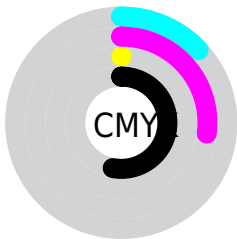
Blue (47%)



Red (41%)

Yellow (35%)

Blue (47%)

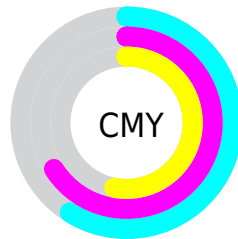


Cyan (13%)

Magenta (27%)

Yellow (0%)

Black (53%)



Cyan (59%)


Magenta (66%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.559, 310.286 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 40, 20.559, 310.286 by changing the saturation by 10% instead.


 40, 20.559,
310.286


 40, 20.559,
310.286


 100, 20.559,
310.286


 30, 20.559,
310.286

 60, 20.559,
310.286


 20, 20.559,
310.286

 70, 20.559,
310.286

 10, 20.559,
310.286

 80, 20.559,
310.286

 0, 20.559, 310.286

 90, 20.559,
310.286

 40, 20.559,

 40, 20.559,

310.286

36, 28.570,
310.799

32, 36.644,
311.319

29, 44.632,
311.814

25, 52.296,
312.234

22, 59.274,
312.510

20, 65.092,
312.549

18, 69.585,
312.344

17, 71.131,
312.323

310.286

44, 12.692,
309.795

48, 5.019, 309.333

52, 2.442, 128.969

56, 9.684, 128.572

59, 16.709,
128.237

63, 23.522,
127.942

67, 30.133,
127.683

71, 36.551,
127.457

75, 42.787,

Harmonies

Complementary

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



40, 20.559, 310.286



48, 19.847, 127.894

Rectangle

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



40, 20.559, 310.286



40, 20.559, 0.286



40, 20.559, 130.286



40, 20.559, 180.286

Sweetspot

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



40, 20.558, 310.286



60, 7.447, 309.402



43, 10.954, 257.389



31, 5.343, 309.460



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 20.558, 310.286



49, 30.722, 310.597



42, 22.957, 325.351



24, 4.314, 309.442



18, 73.308, 312.275



40, 124.095, 311.680

Inverse Universe

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



41, 16.438, 345.951



51, 24.455, 346.586



47, 22.933, 142.330



24, 3.473, 344.321



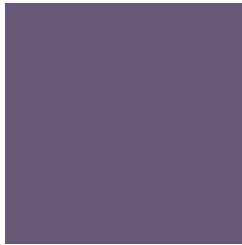
26, 50.114, 0.454



54, 83.989, 2.916

Previews

White Background



This preview shows how the CIELCh color 40, 20.559, 310.286 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 40, 20.559, 310.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

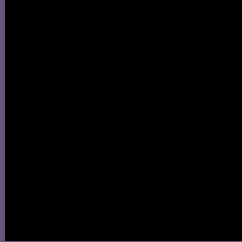
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 20.559, 310.286

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.559, 310.286.

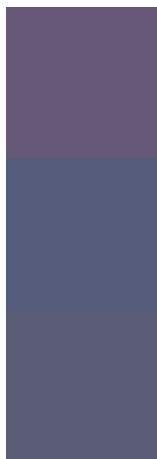


This preview shows how white text looks on a background with the CIELCh color 40, 20.559, 310.286.

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

40, 20.559, 310.286

Protanopia

40, 18.993, 285.417

Deuteranopia

40, 15.853, 289.861



Tritanopia
40, 5.438, 328.449

Trichromacy



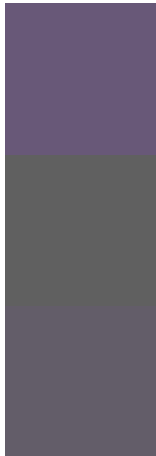
Original Color
40, 20.559, 310.286

Protanomaly
40, 19.578, 295.244

Deuteranomaly
40, 17.245, 299.004

Tritanomaly
40, 10.612, 313.897

Monochromacy



Original Color
40, 20.559, 310.286

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 7.740, 309.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.559, 310.286 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(104, 88, 120)` looks like.

```
.text, #text, p{  
    color:rgb(104, 88, 120)  
}
```

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(104, 88, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 88, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.559, 310.286 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(104, 88, 120) }
```

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

```
.border{ border-color:rgb(104, 88, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 88, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 88, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 88, 120);  
box-shadow:4px 4px 4px 4px rgb(104, 88,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.559, 310.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 88, 120) }
```

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

```
.background{ background-color: rgb(104, 88,  
120) }
```

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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