

Converting Colors

CIELCh(40, 20.238, 314.903)

Have a look what the booklet for
CIELCh(40, 20.238, 314.903)
contains.

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Color

CIELCh(40, 20.523, 315.044)

Conversions

Conversions Part 1

Format	Color
Hex	6B5776
RGB	107, 87, 118
RGB Percent	42%, 34%, 46%
CMY	0.5804, 0.6588, 0.5372
CMYK	0.09, 0.26, 0.00, 0.54
HSL	279°, 15%, 40%
HSV	279°, 26%, 46%
XYZ	12.7424, 11.2510, 18.6404
YIQ	96.5140, 1.9690, 13.8810

Conversions

Conversions Part 2

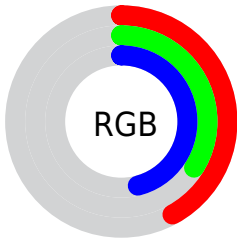
Format	Color
R_{YB}	107, 87, 118
Decimal	7034742
CIE _{Lab}	40.00, 14.52, -14.50
CIE _{LCh}	40, 20.523, 315.044
Yxy	11.2510, 0.2989, 0.2639
Android (android.graphics.Color)	4285224822 (0xFF6B5776)
YUV	96.5140, 10.5926, 9.1962
Hunter-Lab	33.5425, 9.1108, -9.4692

Details

The CIELCh color $40, 20.523, 315.044$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $47, 20.056, 132.840$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 20.430, 315.473$, and $20, 21.089, 314.787$ is the 20% darker color. If you saturate the color by 10%, you get $36, 28.521, 315.470$, and if you desaturate by 10%, it is $44, 12.591, 314.617$.

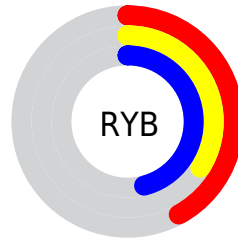
Distribution



Red (42%)

Green (34%)

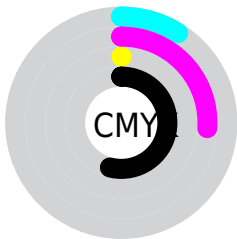
Blue (46%)



Red (42%)

Yellow (34%)

Blue (46%)

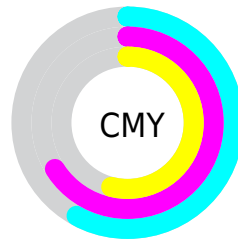


Cyan (9%)

Magenta (26%)

Yellow (0%)

Black (54%)



Cyan (58%)


Magenta (66%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.523, 315.044 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, 20.523, 315.044 by changing the saturation by 10% instead.


 40, 20.523,
315.044


 40, 20.523,
315.044


 100, 20.523,
315.044


 30, 20.523,
315.044

 60, 20.523,
315.044


 20, 20.523,
315.044

 70, 20.523,
315.044

 10, 20.523,
315.044

 80, 20.523,
315.044

 0, 20.523, 315.044

 90, 20.523,
315.044

 40, 20.523,

 40, 20.523,

315.044

36, 28.521,
315.470

33, 36.475,
315.877

30, 44.203,
316.233

27, 51.446,
316.497

24, 57.854,
316.612

22, 63.024,
316.512

20, 66.851,
316.190

19, 68.295,
316.096

315.044

44, 12.591,
314.617

47, 4.800, 314.195

51, 2.812, 133.873

55, 10.225,
133.487

58, 17.432,
133.155

62, 24.433,
132.857

66, 31.233,
132.588

70, 37.838,
132.348

■ 73, 44.259,
132.134

Harmonies

Complementary

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



40, 20.523, 315.044



47, 20.056, 132.840

Rectangle

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



40, 20.523, 315.044



40, 20.523, 5.044



40, 20.523, 135.044



40, 20.523, 185.044

Sweetspot

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



40, 20.522, 315.044



60, 7.594, 314.277



41, 12.490, 272.142



30, 5.372, 314.330



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 20.522, 315.044



49, 31.070, 315.323



41, 20.467, 329.797



23, 4.301, 314.312



20, 70.126, 316.056



45, 119.342, 315.497

Inverse Universe

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



40, 14.730, 354.849



50, 22.351, 355.658



47, 20.423, 146.547



23, 3.060, 353.010



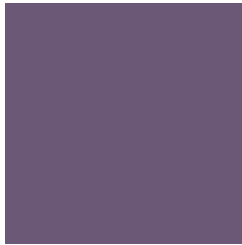
25, 49.503, 13.872



53, 84.816, 17.160

Previews

White Background



This preview shows how the CIELCh color 40, 20.523, 315.044 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 40, 20.523, 315.044 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, 20.523, 315.044

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.523, 315.044.

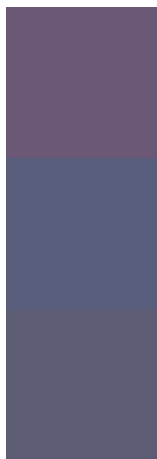


This preview shows how white text looks on a background with the CIELCh color 40, 20.523, 315.044.

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, 20.523, 315.044

Protanopia

40, 18.358, 286.137

Deuteranopia

40, 15.269, 292.480



Tritanopia
40, 6.942, 342.556

Trichromacy



Original Color
40, 20.523, 315.044

Protanomaly
40, 18.386, 296.392

Deuteranomaly
40, 16.778, 301.794

Tritanomaly
40, 11.052, 325.163

Monochromacy



Original Color
40, 20.523, 315.044

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 8.036, 315.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.523, 315.044 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(107, 87, 118)` looks like.

```
.text, #text, p{  
    color:rgb(107, 87, 118)  
}
```

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(107, 87, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 87, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.523, 315.044 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(107, 87, 118) }
```

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

```
.border{ border-color:rgb(107, 87, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 87, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 87, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 87, 118);  
box-shadow:4px 4px 4px 4px rgb(107, 87,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.523, 315.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 87, 118) }
```

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

```
.background{ background-color: rgb(107, 87,  
118) }
```

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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