

Converting Colors

CIELCh(40, 20.500, 295.115)

Have a look what the booklet for
CIELCh(40, 20.500, 295.115)
contains.

CIELCh(40, 20.184, 295.255)	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(40, 20.184, 295.255)

Conversions

Conversions Part 1

Format	Color
Hex	5D5B7C
RGB	93, 91, 124
RGB Percent	36%, 36%, 49%
CMY	0.6355, 0.6433, 0.5139
CMYK	0.25, 0.27, 0.00, 0.51
HSL	244°, 15%, 42%
HSV	244°, 27%, 49%
XYZ	11.8796, 11.2510, 20.5954
YIQ	95.3600, -9.4010, 10.6870

Conversions

Conversions Part 2

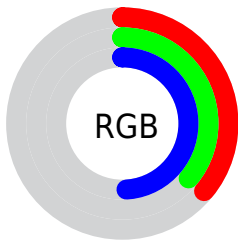
Format	Color
R_{YB}	93, 91, 124
Decimal	6118268
CIE _{Lab}	40.00, 8.61, -18.25
CIE _{LCh}	40, 20.184, 295.255
Yxy	11.2510, 0.2717, 0.2573
Android (android.graphics.Color)	4284308348 (0xFF5D5B7C)
YUV	95.3600, 14.1195, -2.0697
Hunter-Lab	33.5425, 4.5191, -12.9248

Details

The CIELCh color $40, 20.184, 295.255$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51, 19.005, 110.335$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 20.420, 295.398$, and $20, 20.466, 295.858$ is the 20% darker color. If you saturate the color by 10%, you get $35, 28.327, 296.574$, and if you desaturate by 10%, it is $45, 12.356, 294.115$.

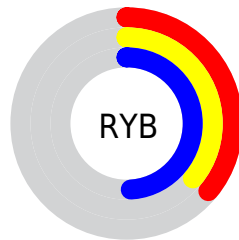
Distribution



Red (36%)

Green (36%)

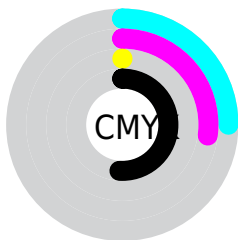
Blue (49%)



Red (36%)

Yellow (36%)

Blue (49%)

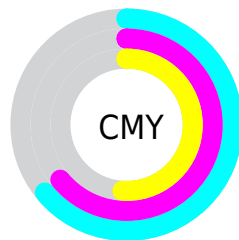


Cyan (25%)

Magenta (27%)

Yellow (0%)

Black (51%)



Cyan (64%)


Magenta (64%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.184, 295.255 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, 20.184, 295.255 by changing the saturation by 10% instead.


 40, 20.184,
295.255


 40, 20.184,
295.255


 100, 20.184,
295.255


 30, 20.184,
295.255

 60, 20.184,
295.255


 20, 20.184,
295.255

 70, 20.184,
295.255

 10, 20.184,
295.255

 80, 20.184,
295.255

 0, 20.184, 295.255

 90, 20.184,
295.255

 40, 20.184,

 40, 20.184,

295.255

35, 28.327,
296.574

31, 36.784,
298.082

27, 45.505,
299.767

22, 54.326,
301.569

19, 62.855,
303.358

16, 70.339,
304.914

13, 76.097,
306.104

13, 78.067,
306.575

295.255

45, 12.356,
294.115

49, 4.832, 293.138

53, 2.409, 112.280

58, 9.387, 111.567

62, 16.119,
110.948

67, 22.623,
110.414

71, 28.913,
109.952

75, 35.003,
109.551

80, 40.906,

Harmonies

Complementary

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



40, 20.184, 295.255



51, 19.005, 110.335

Rectangle

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



40, 20.184, 295.255



40, 20.184, 345.255



40, 20.184, 115.255



40, 20.184, 165.255

Sweetspot

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



40, 20.183, 295.254



62, 7.238, 293.281



49, 11.646, 203.006



32, 5.196, 293.403



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



40, 20.183, 295.254



48, 30.368, 296.042



42, 21.263, 311.952



23, 4.085, 293.362



13, 78.525, 306.572



32, 132.523, 306.414

Inverse Universe

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



43, 22.699, 327.544



53, 33.669, 327.876



50, 20.611, 129.646



24, 4.731, 326.573



29, 65.072, 330.709



59, 109.268, 330.851

Previews

White Background



This preview shows how the CIELCh color 40, 20.184, 295.255 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, 20.184, 295.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

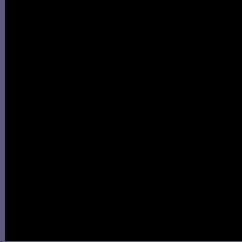
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 20.184, 295.255

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.184, 295.255.

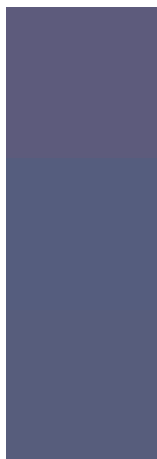


This preview shows how white text looks on a background with the CIELCh color 40, 20.184, 295.255.

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, 20.184, 295.255

Protanopia

40, 20.227, 285.139

Deuteranopia

40, 18.959, 286.470



Tritanopia
40, 5.381, 264.524

Trichromacy



Original Color
40, 20.184, 295.255

Protanomaly
40, 20.151, 289.111

Deuteranomaly
40, 19.531, 289.919

Tritanomaly
40, 10.440, 283.250

Monochromacy



Original Color
40, 20.184, 295.255

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 7.314, 291.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.184, 295.255 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(93, 91, 124)` looks like.

```
.text, #text, p{  
    color:rgb(93, 91, 124)  
}
```

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(93, 91, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 91, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.184, 295.255 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(93, 91, 124) }
```

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

```
.border{ border-color:rgb(93, 91, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 91, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 91, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 91, 124);  
box-shadow:4px 4px 4px 4px rgb(93, 91,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.184, 295.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 91, 124) }
```

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

```
.background{ background-color: rgb(93, 91,  
124) }
```

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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