

Converting Colors

CIELCh(40, 20.705, 261.536)

Have a look what the booklet for
CIELCh(40, 20.705, 261.536)
contains.

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Color

CIELCh(40, 20.718, 261.531)

Conversions

Conversions Part 1

Format	Color
Hex	40617F
RGB	64, 97, 127
RGB Percent	25%, 38%, 50%
CMY	0.7477, 0.6183, 0.5006
CMYK	0.49, 0.24, 0.00, 0.50
HSL	209°, 33%, 38%
HSV	209°, 49%, 50%
XYZ	10.2933, 11.2510, 21.8230
YIQ	90.5530, -29.2980, 2.3340

Conversions

Conversions Part 2

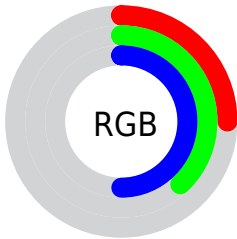
Format	Color
R _{YB}	64, 86, 127
Decimal	4219263
CIE Lab	40.00, -3.05, -20.49
CIE LCh	40, 20.718, 261.531
Yxy	11.2510, 0.2374, 0.2594
Android (android.graphics.Color)	4282409343 (0xFF40617F)
YUV	90.5530, 17.9684, -23.2870
Hunter-Lab	33.5425, -3.9225, -15.0949

Details

The CIELCh color **40, 20.718, 261.531** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **43, 24.297, 67.101**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 21.007, 262.183**, and **20, 20.786, 261.582** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.611, 264.354**, and if you desaturate by 10%, it is **43, 16.713, 259.140**.

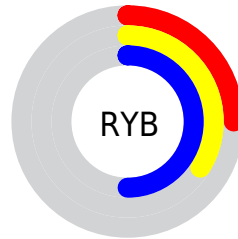
Distribution



Red (25%)

Green (38%)

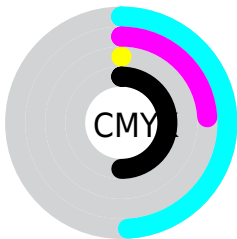
Blue (50%)



Red (25%)

Yellow (34%)

Blue (50%)

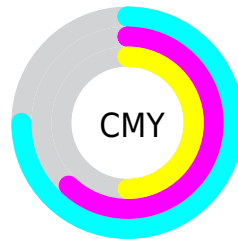


Cyan (49%)

Magenta (24%)

Yellow (0%)

Black (50%)



Cyan (75%)


Magenta (62%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.718, 261.531 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, 20.718, 261.531 by changing the saturation by 10% instead.


 40, 20.718,
261.531


 40, 20.718,
261.531


 100, 20.718,
261.531


 30, 20.718,
261.531

 60, 20.718,
261.531


 20, 20.718,
261.531

 70, 20.718,
261.531

 10, 20.718,
261.531

 80, 20.718,
261.531

 0, 20.718, 261.531

 90, 20.718,
261.531

 40, 20.718,

 40, 20.718,

261.531

■ 37, 24.611,
264.354

■ 35, 28.410,
267.649

■ 33, 32.148,
271.421

■ 30, 35.886,
275.614

■ 28, 39.735,
279.846

■ 28, 39.944,
280.051

261.531

■ 43, 16.713,
259.140

■ 45, 12.602,
257.129

■ 48, 8.396, 255.442

■ 51, 4.114, 254.044

■ 53, 0.224, 71.527

■ 56, 4.602, 71.669

■ 59, 9.001, 70.811

■ 62, 13.409, 70.054

■ 65, 17.813, 69.392

Harmonies

Complementary

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



40, 20.718, 261.531



43, 24.297, 67.101

Rectangle

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



40, 20.718, 261.531



40, 20.718, 311.531



40, 20.718, 81.531



40, 20.718, 131.531

Sweetspot

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



40, 20.717, 261.531



63, 8.048, 254.831



48, 31.092, 157.049



32, 5.526, 255.089



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 20.717, 261.531



49, 30.255, 264.635



31, 38.701, 295.765



25, 2.451, 253.998



28, 39.985, 280.058



0, 0.000, 0.000

Inverse Universe

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



36, 32.274, 347.240



44, 46.749, 348.824



51, 34.260, 104.126



25, 3.651, 343.067



27, 51.119, 358.421



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 20.718, 261.531 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, 20.718, 261.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

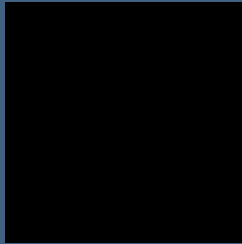
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

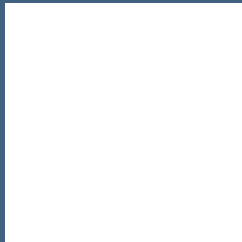
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 20.718, 261.531

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.718, 261.531.

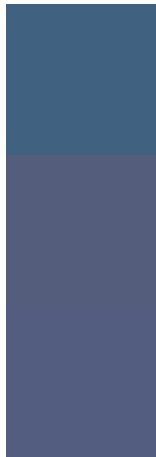


This preview shows how white text looks on a background with the CIELCh color 40, 20.718, 261.531.

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, 20.718, 261.531

Protanopia

40, 19.032, 284.375

Deuteranopia

40, 21.502, 284.047



Tritanopia
40, 15.575, 216.142

Trichromacy



Original Color
40, 20.718, 261.531

Protanomaly
40, 19.067, 273.793

Deuteranomaly
40, 20.846, 275.092

Tritanomaly
40, 16.332, 235.070

Monochromacy



Original Color
40, 20.718, 261.531

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 8.072, 255.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.718, 261.531 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(64, 97, 127)` looks like.

```
.text, #text, p{  
    color:rgb(64, 97, 127)  
}
```

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(64, 97, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 97, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.718, 261.531 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(64, 97, 127) }
```

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

```
.border{ border-color:rgb(64, 97, 127) }
```

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

Here you see how a box with a 4 pixel rgb(64, 97, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 97, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 97, 127);  
box-shadow:4px 4px 4px 4px rgb(64, 97,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.718, 261.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 97, 127) }
```

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

```
.background{ background-color: rgb(64, 97,  
127) }
```

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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