

Converting Colors

CIELCh(40, 21.207, 276.363)

Have a look what the booklet for
CIELCh(40, 21.207, 276.363)
contains.

CIELCh(40, 20.764, 275.935)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(40, 20.764, 275.935)

Conversions

Conversions Part 1

Format	Color
Hex	4D5F80
RGB	77, 95, 128
RGB Percent	30%, 37%, 50%
CMY	0.6991, 0.6285, 0.4992
CMYK	0.40, 0.26, 0.00, 0.50
HSL	219°, 25%, 40%
HSV	219°, 40%, 50%
XYZ	10.9816, 11.2510, 21.9130
YIQ	93.3800, -21.3210, 6.4470

Conversions

Conversions Part 2

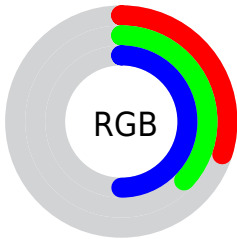
Format	Color
R _Y B	77, 90, 128
Decimal	5070720
CIE Lab	40.00, 2.15, -20.65
CIE LCh	40, 20.764, 275.935
Yxy	11.2510, 0.2488, 0.2549
Android (android.graphics.Color)	4283260800 (0xFF4D5F80)
YUV	93.3800, 17.0677, -14.3653
Hunter-Lab	33.5425, -0.2595, -15.2539

Details

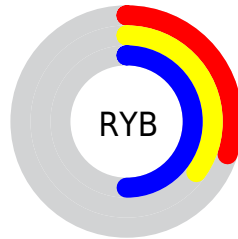
The CIELCh color **40, 20.764, 275.935** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **47, 21.128, 84.472**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 20.929, 276.527**, and **20, 21.062, 276.303** is the 20% darker color. If you saturate the color by 10%, you get **37, 26.142, 278.239**, and if you desaturate by 10%, it is **43, 15.463, 273.951**.

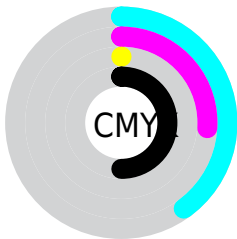
Distribution



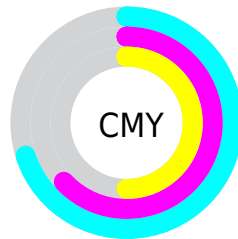
- Red (30%)
- Green (37%)
- Blue (50%)



- Red (30%)
- Yellow (35%)
- Blue (50%)



- Cyan (40%)
- Magenta (26%)
- Yellow (0%)
- Black (50%)





- Cyan (70%)
- Magenta (63%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.764, 275.935 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, 20.764, 275.935 by changing the saturation by 10% instead.


 40, 20.764,
275.935


 40, 20.764,
275.935


 100, 20.764,
275.935


 30, 20.764,
275.935

 60, 20.764,
275.935


 20, 20.764,
275.935

 70, 20.764,
275.935

 10, 20.764,
275.935

 80, 20.764,
275.935

 0, 20.764, 275.935

 90, 20.764,
275.935

 40, 20.764,

 40, 20.764,

275.935

■ 37, 26.142,
278.239

■ 33, 31.618,
280.896

■ 30, 37.214,
283.910

■ 27, 42.955,
287.245

■ 24, 48.838,
290.802

■ 22, 54.832,
294.211

■ 22, 54.877,
294.233

275.935

■ 43, 15.463,
273.951

■ 47, 10.232,
272.251

■ 50, 5.067, 270.801

■ 53, 0.031, 83.652

■ 57, 5.062, 88.364

■ 60, 10.023, 87.423

■ 64, 14.912, 86.588

■ 67, 19.726, 85.848

■ 70, 24.465, 85.188

Harmonies

Complementary

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



40, 20.764, 275.935



47, 21.128, 84.472

Rectangle

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



40, 20.764, 275.935



40, 20.764, 325.935



40, 20.764, 95.935



40, 20.764, 145.935

Sweetspot

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



40, 20.763, 275.934



63, 7.592, 271.120



50, 22.255, 167.569



32, 5.078, 271.265



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, 20.763, 275.934



48, 31.089, 278.040



35, 31.919, 299.295



25, 2.872, 270.692



22, 54.804, 294.227



0, 0.000, 0.000

Inverse Universe

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



39, 24.157, 356.806



47, 35.966, 358.294



52, 29.047, 112.473



25, 3.279, 353.135



26, 51.034, 14.278



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 40, 20.764, 275.935 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, 20.764, 275.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

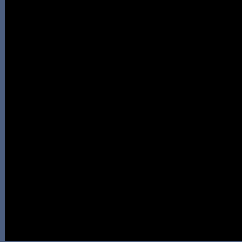
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

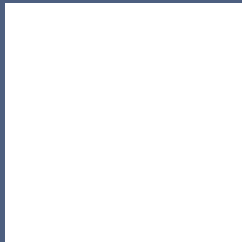
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 20.764, 275.935

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.764, 275.935.

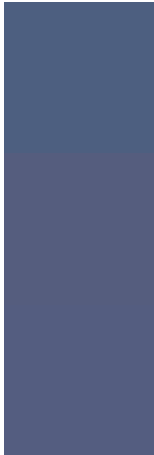


This preview shows how white text looks on a background with the CIELCh color 40, 20.764, 275.935.

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, 20.764, 275.935

Protanopia

40, 20.227, 285.139

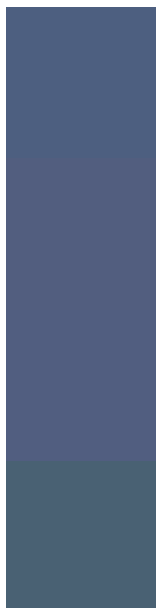
Deuteranopia

40, 21.461, 284.936



Tritanopia
40, 11.307, 223.998

Trichromacy



Original Color
40, 20.764, 275.935

Protanomaly
40, 20.383, 281.313

Deuteranomaly
40, 21.028, 280.904

Tritanomaly
40, 13.666, 252.621

Monochromacy



Original Color
40, 20.764, 275.935

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 7.753, 270.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.764, 275.935 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(77, 95, 128)` looks like.

```
.text, #text, p{  
    color:rgb(77, 95, 128)  
}
```

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(77, 95, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 95, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.764, 275.935 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(77, 95, 128) }
```

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

```
.border{ border-color:rgb(77, 95, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 95, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 95, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 95, 128);  
box-shadow:4px 4px 4px 4px rgb(77, 95,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.764, 275.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 95, 128) }
```

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

```
.background{ background-color: rgb(77, 95,  
128) }
```

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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