

Converting Colors

CIELCh(40, 9.560, 269.805)

Have a look what the booklet for
CIELCh(40, 9.560, 269.805) contains.

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Color

CIELCh(40, 9.677, 270.663)

Conversions

Conversions Part 1

Format	Color
Hex	565F6E
RGB	86, 95, 110
RGB Percent	34%, 37%, 43%
CMY	0.6633, 0.6280, 0.5692
CMYK	0.22, 0.14, 0.00, 0.57
HSL	217°, 12%, 38%
HSV	217°, 22%, 43%
XYZ	10.7086, 11.2510, 16.3150
YIQ	94.0190, -10.1790, 2.7570

Conversions

Conversions Part 2

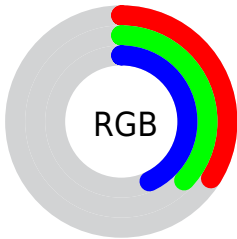
Format	Color
R_{YB}	86, 93, 110
Decimal	5660526
CIE Lab	40.00, 0.11, -9.68
CIE LCh	40, 9.677, 270.663
Yxy	11.2510, 0.2798, 0.2940
Android (android.graphics.Color)	4283850606 (0xFF565F6E)
YUV	94.0190, 7.8786, -7.0327
Hunter-Lab	33.5425, -1.7123, -5.3589

Details

The CIELCh color $40, 9.677, 270.663$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 9.826, 84.975$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 10.068, 272.281$, and $20, 9.438, 269.527$ is the 20% darker color. If you saturate the color by 10%, you get $37, 14.171, 272.389$, and if you desaturate by 10%, it is $43, 5.223, 269.180$.

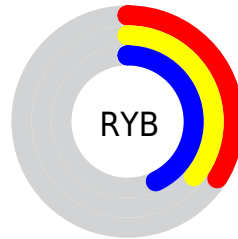
Distribution



Red (34%)

Green (37%)

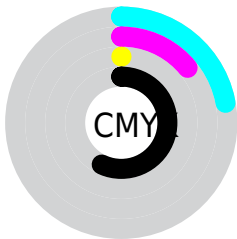
Blue (43%)



Red (34%)

Yellow (36%)

Blue (43%)

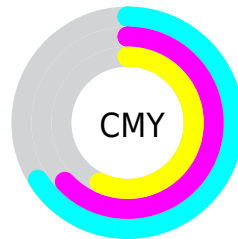


Cyan (22%)

Magenta (14%)

Yellow (0%)

Black (57%)



Cyan (66%)

Magenta (63%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 9.677, 270.663 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, 9.677, 270.663 by changing the saturation by 10% instead.

■ 40, 9.677, 270.663

■ 40, 9.677, 270.663

■ 100, 9.677,
270.663

■ 30, 9.677, 270.663

■ 60, 9.677, 270.663

■ 20, 9.677, 270.663

■ 70, 9.677, 270.663

■ 10, 9.677, 270.663

■ 80, 9.677, 270.663

■ 0, 9.677, 270.663

■ 90, 9.677, 270.663

■ 40, 9.677, 270.663

■ 40, 9.677, 270.663

■ 37, 14.171,
272.389

■ 43, 5.223, 269.180

■ 34, 18.709,

■ 46, 0.814, 268.072

274.404

49, 3.549, 86.688

31, 23.297,
276.742

52, 7.863, 85.739

29, 27.949,
279.431

55, 12.124, 84.889

26, 32.689,
282.480

57, 16.328, 84.135

23, 37.539,
285.851

60, 20.475, 83.464

21, 42.511,
289.448

63, 24.563, 82.864

19, 46.673,
292.150

Harmonies

Complementary

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



40, 9.677, 270.663



43, 9.826, 84.975

Rectangle

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



40, 9.677, 270.663



40, 9.677, 320.663



40, 9.677, 90.663



40, 9.677, 140.663

Sweetspot

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



40, 9.676, 270.659



57, 3.822, 268.578



44, 11.156, 168.527



29, 2.466, 268.621



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 9.676, 270.659



50, 14.314, 271.465



38, 14.882, 296.641



22, 2.521, 268.808



21, 50.173, 292.551



45, 90.949, 294.811

Inverse Universe

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



39, 11.600, 352.995



49, 17.221, 353.537



46, 14.201, 113.126



22, 2.982, 351.693



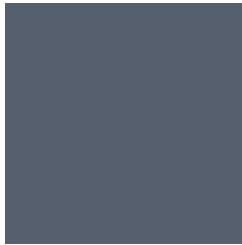
24, 48.542, 11.855



53, 83.585, 15.167

Previews

White Background



This preview shows how the CIELCh color 40, 9.677, 270.663 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, 9.677, 270.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

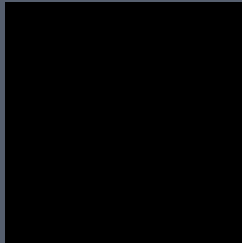
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

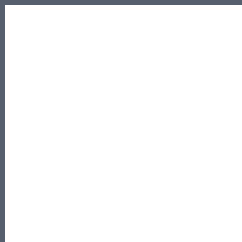
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 9.677, 270.663

Background



This preview shows how black text looks on a background with the CIELCh color 40, 9.677, 270.663.

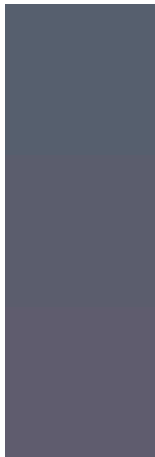


This preview shows how white text looks on a background with the CIELCh color 40, 9.677, 270.663.

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, 9.677, 270.663

Protanopia

40, 9.783, 287.097

Deuteranopia

40, 11.081, 297.935



Tritanopia
40, 6.425, 248.619

Trichromacy



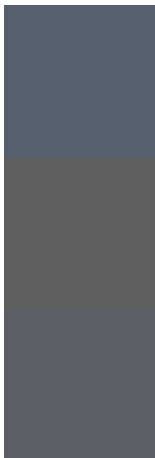
Original Color
40, 9.677, 270.663

Protanomaly
40, 9.305, 279.531

Deuteranomaly
40, 10.376, 289.607

Tritanomaly
40, 7.346, 255.405

Monochromacy



Original Color
40, 9.677, 270.663

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 3.837, 272.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 9.677, 270.663 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(86, 95, 110)` looks like.

```
.text, #text, p{  
    color:rgb(86, 95, 110)  
}
```

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(86, 95, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 95, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 9.677, 270.663 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(86, 95, 110) }
```

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

```
.border{ border-color:rgb(86, 95, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 95, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 95, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 95, 110);  
box-shadow:4px 4px 4px 4px rgb(86, 95,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 9.677, 270.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 95, 110) }
```

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

```
.background{ background-color: rgb(86, 95,  
110) }
```

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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