

Converting Colors

CIELCh(40, 10.076, 270.131)

Have a look what the booklet for
CIELCh(40, 10.076, 270.131)
contains.

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Color

CIELCh(40, 9.804, 268.603)

Conversions

Conversions Part 1

Format	Color
Hex	555F6E
RGB	85, 95, 110
RGB Percent	33%, 37%, 43%
CMY	0.6665, 0.6273, 0.5685
CMYK	0.23, 0.14, 0.00, 0.57
HSL	216°, 13%, 38%
HSV	216°, 23%, 43%
XYZ	10.6620, 11.2510, 16.3726
YIQ	93.7200, -10.7750, 2.5450

Conversions

Conversions Part 2

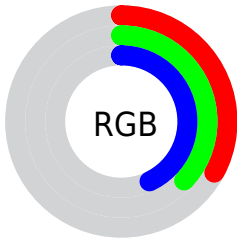
Format	Color
R_{YB}	85, 92, 110
Decimal	5594990
CIE Lab	40.00, -0.24, -9.80
CIE LCh	40, 9.804, 268.603
Yxy	11.2510, 0.2785, 0.2939
Android (android.graphics.Color)	4283785070 (0xFF555F6E)
YUV	93.7200, 8.0260, -7.6474
Hunter-Lab	33.5425, -1.9604, -5.4606

Details

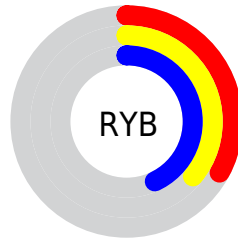
The CIELCh color $40, 9.804, 268.603$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 10.036, 82.630$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 10.181, 270.361$, and $20, 9.576, 267.385$ is the 20% darker color. If you saturate the color by 10%, you get $37, 14.156, 270.369$, and if you desaturate by 10%, it is $43, 5.473, 267.088$.

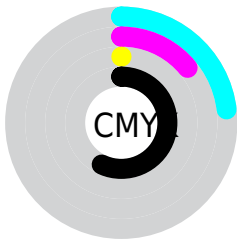
Distribution



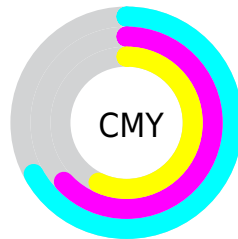
- Red (33%)
- Green (37%)
- Blue (43%)



- Red (33%)
- Yellow (36%)
- Blue (43%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (57%)



- Cyan (67%)
- Magenta (63%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 9.804, 268.603 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, 9.804, 268.603 by changing the saturation by 10% instead.

■ 40, 9.804, 268.603

■ 40, 9.804, 268.603

■ 100, 9.804,
268.603

■ 30, 9.804, 268.603

■ 60, 9.804, 268.603

■ 20, 9.804, 268.603

■ 70, 9.804, 268.603

■ 10, 9.804, 268.603

■ 80, 9.804, 268.603

■ 0, 9.804, 268.603

■ 90, 9.804, 268.603

■ 40, 9.804, 268.603

■ 40, 9.804, 268.603

■ 37, 14.156,
270.369

■ 43, 5.473, 267.088

■ 34, 18.532,

■ 46, 1.170, 265.899

272.434

49, 3.101, 84.540

32, 22.936,
274.835

51, 7.335, 83.584

29, 27.381,
277.601

54, 11.528, 82.724

26, 31.891,
280.740

57, 15.674, 81.962

24, 36.493,
284.217

60, 19.772, 81.284

21, 41.212,
287.923

63, 23.817, 80.679

20, 44.749,
290.398

65, 27.810, 80.134

Harmonies

Complementary

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



40, 9.804, 268.603



43, 10.036, 82.630

Rectangle

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



40, 9.804, 268.603



40, 9.804, 318.603



40, 9.804, 88.603



40, 9.804, 138.603

Sweetspot

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



40, 9.803, 268.599



57, 3.726, 266.364



44, 11.896, 166.416



29, 2.404, 266.407



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, 9.803, 268.599



50, 14.447, 269.449



37, 15.503, 295.556



22, 2.457, 266.593



22, 48.032, 290.806



47, 87.059, 293.166

Inverse Universe

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



39, 12.258, 351.492



48, 18.133, 352.043



46, 14.755, 111.652



22, 3.027, 350.124



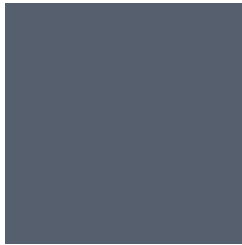
24, 48.377, 9.520



53, 83.049, 12.723

Previews

White Background



This preview shows how the CIELCh color 40, 9.804, 268.603 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, 9.804, 268.603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

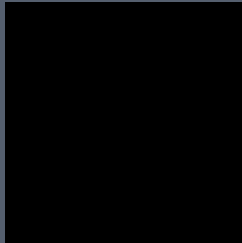
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

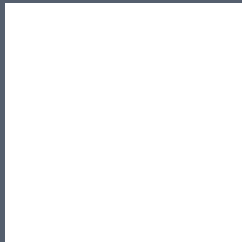
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 9.804, 268.603

Background



This preview shows how black text looks on a background with the CIELCh color 40, 9.804, 268.603.

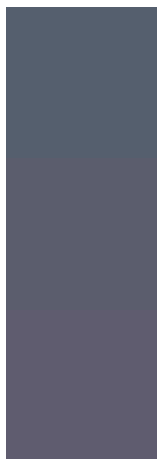


This preview shows how white text looks on a background with the CIELCh color 40, 9.804, 268.603.

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, 9.804, 268.603

Protanopia

40, 9.783, 287.097

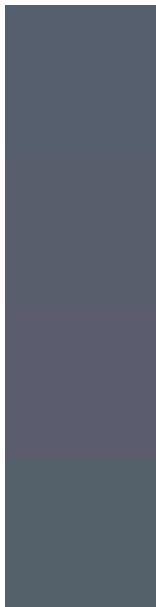
Deuteranopia

40, 11.687, 297.682



Tritanopia
40, 6.677, 246.128

Trichromacy



Original Color
40, 9.804, 268.603

Protanomaly
40, 9.305, 279.531

Deuteranomaly
40, 10.997, 287.819

Tritanomaly
40, 7.561, 253.027

Monochromacy



Original Color
40, 9.804, 268.603

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, 9.804, 268.603 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(85, 95, 110)` looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 95, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 95, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 9.804, 268.603 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(85, 95, 110) }
```

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

```
.border{ border-color:rgb(85, 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(85, 95, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 95, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 95, 110);  
box-shadow:4px 4px 4px 4px rgb(85, 95,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 9.804, 268.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 95, 110) }
```

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

```
.background{ background-color: rgb(85, 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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