Converting Colors

CIELCh(40, 19.234, 214.088)

Have a look what the booklet for CIELCh(40, 19.234, 214.088) contains.

Color

CIELCh(40, 19.234, 214.090)

Conversions

Conversions Part 1

Format	Color
Hex	2C666F
RGB	44, 102, 111
RGB Percent	17%, 40%, 44%
CMY	0.8263, 0.5989, 0.5636
CMYK	0.60, 0.08, 0.00, 0.56
HSL	188°, 43%, 31%
HSV	188°, 60%, 44%
XYZ	8.7133, 11.2510, 16.8291
YIQ	85.6840, -37.4570, -9.4970

Conversions

Conversions Part 2

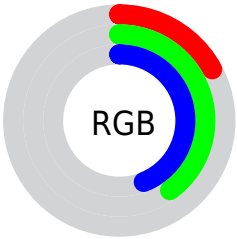
Format	Color
RYB	44, 75, 111
Decimal	2909807
CIELab	40.00, -15.93, -10.78
CIELCh	40, 19.234, 214.090
Yxy	11.2510, 0.2368, 0.3058
Android (android.graphics.Color)	4281099887 (0xFF2C666F)
YUV	85.6840, 12.4808, -36.5569
Hunter-Lab	33.5425, -12.3306, -6.2676

Details

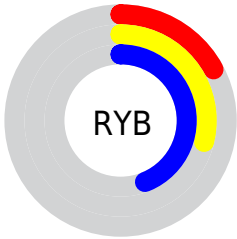
The CIELCh color 40, 19.234, 214.090 is a dark color, and the websafe version is hex 336666. A complement of this color would be 30, 30.301, 35.267, and the grayscale version is 37, 0.005, 296.813.

A 20% lighter version of the original color is 60, 19.208, 215.113, and 20, 16.277, 216.581 is the 20% darker color. If you saturate the color by 10%, you get 39, 21.053, 215.117, and if you desaturate by 10%, it is 41, 16.941, 213.331.

Distribution

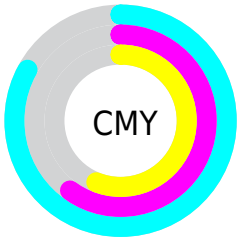


- Red (17%)
- Green (40%)
- Blue (44%)



- Red (17%)
- Yellow (29%)
- Blue (44%)

- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (56%)



- Cyan (83%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 19.234, 214.090 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, 19.234, 214.090 by changing the saturation by 10% instead.

40, 19.234, 214.090

40, 19.234, 214.090

100, 19.234, 214.090

30, 19.234, 214.090

60, 19.234, 214.090

20, 19.234, 214.090

70, 19.234, 214.090

10, 19.234, 214.090

80, 19.234, 214.090

0, 19.234, 214.090

90, 19.234, 214.090

40, 19.234,

40, 19.234,

214.090

39, 21.053, 215.117

38, 22.379, 216.467

38, 23.222, 218.185

37, 23.809, 220.055

214.090

41, 16.941, 213.331

42, 14.215, 212.801

43, 11.109, 212.459

44, 7.679, 212.275

46, 3.983, 212.240

47, 0.075, 217.002

48, 3.999, 32.169

50, 8.196, 32.366

51, 12.482, 32.575

Harmonies

Complementary

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

40, 19.234, 214.090

30, 30.301, 35.267

Rectangle

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

40, 19.234, 214.090

40, 19.234, 264.090

40, 19.234, 34.090

40, 19.234, 84.090

Sweetspot

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

40, 19.234, 214.088

57, 8.568, 212.258

42, 43.207, 143.093

29, 5.958, 212.282

81, 0.010, 296.813

31, 0.005, 296.813

Same Dimension

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

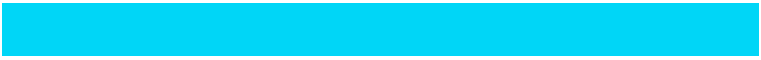
40, 19.234, 214.088

50, 26.195, 215.584

29, 27.798, 279.663

23, 2.221, 212.249

40, 25.093, 220.274



79, 42.735, 221.841

Inverse Universe

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

30, 42.680, 331.803

36, 60.223, 332.592

38, 28.582, 80.637

22, 4.178, 328.815

27, 59.747, 334.161

57, 101.457, 334.552

Previews

White Background

This preview shows how the CIELCh color 40, 19.234, 214.090 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

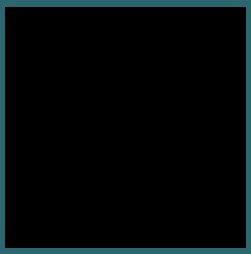
This preview shows how the CIELCh color 40, 19.234, 214.090 looks on a black background.

Color Contrast Check

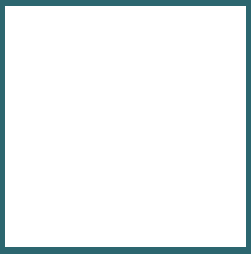
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 40, 19.234, 214.090 Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.234, 214.090.



This preview shows how white text looks on a background with the CIELCh color 40, 19.234, 214.090.

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, 19.234, 214.090

Protanopia
40, 7.332, 288.193

Deuteranopia
40, 13.453, 293.842

Tritanopia
40, 19.234, 214.090

Trichromacy

Original Color
40, 19.234, 214.090

Protanomaly
39, 10.175, 240.270

Deuteranomaly
40, 12.652, 254.378

Tritanomaly
40, 19.234, 214.090

Monochromacy

Original Color
40, 19.234, 214.090

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 8.375, 211.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 19.234, 214.090 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(44, 102, 111) looks like.

```
.text, #text, p{
    color:rgb(44, 102, 111)
}
```

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(44, 102, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 102, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 19.234, 214.090 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(44, 102, 111) }
```

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

```
.border{ border-color:rgb(44, 102, 111) }
```

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

Here you see how a box with a 4 pixel rgb(44, 102, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(44, 102, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(44, 102, 111); box-shadow:4px 4px 4px 4px rgb(44, 102, 111) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 19.234, 214.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(44, 102, 111) }
```

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

```
.background{ background-color:rgb(44, 102,
111) }
```

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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