

Converting Colors

CIELCh(40, 21.461, 220.142)

Have a look what the booklet for
CIELCh(40, 21.461, 220.142)
contains.

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Color

CIELCh(40, 21.543, 219.048)

Conversions

Conversions Part 1

Format	Color
Hex	226774
RGB	34, 103, 116
RGB Percent	13%, 40%, 45%
CMY	0.8677, 0.5969, 0.5459
CMYK	0.71, 0.11, 0.00, 0.55
HSL	190°, 55%, 29%
HSV	190°, 71%, 45%
XYZ	8.6206, 11.2510, 18.1763
YIQ	83.8510, -45.2970, -10.5850

Conversions

Conversions Part 2

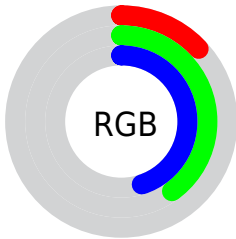
Format	Color
R_{YB}	34, 71, 116
Decimal	2254708
CIE _{Lab}	40.00, -16.73, -13.57
CIE _{LCh}	40, 21.543, 219.048
Yxy	11.2510, 0.2266, 0.2957
Android (android.graphics.Color)	4280444788 (0xFF226774)
YUV	83.8510, 15.8495, -43.7193
Hunter-Lab	33.5425, -12.8236, -8.6490

Details

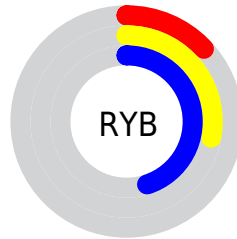
The CIELCh color **40, 21.543, 219.048** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 37.570, 38.309**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 21.605, 219.425**, and **21, 16.838, 226.263** is the 20% darker color. If you saturate the color by 10%, you get **39, 22.880, 220.766**, and if you desaturate by 10%, it is **41, 19.711, 217.713**.

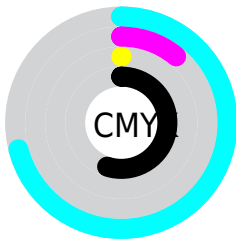
Distribution



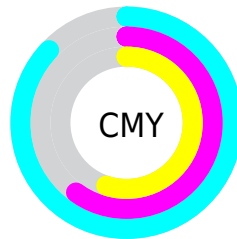
- Red (13%)
- Green (40%)
- Blue (45%)



- Red (13%)
- Yellow (28%)
- Blue (45%)



- Cyan (71%)
- Magenta (11%)
- Yellow (0%)
- Black (55%)





- Cyan (87%)
- Magenta (60%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 21.543, 219.048 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, 21.543, 219.048 by changing the saturation by 10% instead.


 40, 21.543,
219.048


 40, 21.543,
219.048


 100, 21.543,
219.048


 30, 21.543,
219.048

 60, 21.543,
219.048


 20, 21.543,
219.048

 70, 21.543,
219.048

 10, 21.543,
219.048

 80, 21.543,
219.048

 0, 21.543, 219.048

 90, 21.543,
219.048

 40, 21.543,

 40, 21.543,

219.048

■ 39, 22.880,
220.766

■ 38, 23.739,
222.927

■ 38, 24.325,
225.090

219.048

■ 41, 19.711,
217.713

■ 42, 17.401,
216.703

■ 43, 14.652,
215.964

■ 44, 11.515,
215.447

■ 46, 8.048, 215.113

■ 47, 4.309, 214.947

■ 49, 0.353, 215.814

■ 50, 3.773, 34.663

■ 52, 8.028, 34.776

Harmonies

Complementary

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



40, 21.543, 219.048



29, 37.570, 38.309

Rectangle

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



40, 21.543, 219.048



40, 21.543, 269.048



40, 21.543, 39.048



40, 21.543, 89.048

Sweetspot

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



40, 21.542, 219.047



59, 10.016, 215.130



43, 50.614, 142.133



30, 6.786, 215.190



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 21.542, 219.047



50, 28.367, 222.073



27, 34.977, 284.215



24, 2.266, 214.939



40, 25.307, 225.282



78, 42.878, 227.119

Inverse Universe

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



29, 49.044, 333.403



35, 66.301, 334.477



39, 35.024, 80.480



23, 4.264, 329.603



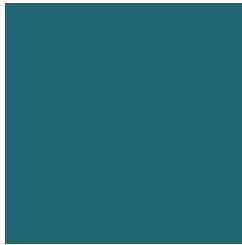
27, 59.569, 335.422



57, 100.341, 335.893

Previews

White Background



This preview shows how the CIELCh color 40, 21.543, 219.048 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, 21.543, 219.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

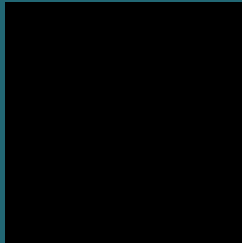
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 21.543, 219.048

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.543, 219.048.

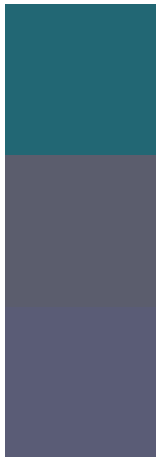


This preview shows how white text looks on a background with the CIELCh color 40, 21.543, 219.048.

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, 21.543, 219.048

Protanopia

40, 9.783, 287.097

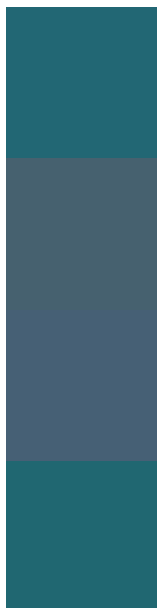
Deuteranopia

40, 15.882, 289.886



Tritanopia
40, 21.826, 211.771

Trichromacy



Original Color
40, 21.543, 219.048

Protanomaly
40, 12.715, 241.074

Deuteranomaly
39, 15.405, 255.660

Tritanomaly
40, 21.688, 213.605

Monochromacy



Original Color
40, 21.543, 219.048

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 9.950, 216.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.543, 219.048 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(34, 103, 116)` looks like.

```
.text, #text, p{  
    color:rgb(34, 103, 116)  
}
```

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(34, 103, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 103, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.543, 219.048 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(34, 103, 116) }
```

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

```
.border{ border-color:rgb(34, 103, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 103, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 103, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 103, 116);  
box-shadow:4px 4px 4px 4px rgb(34, 103,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.543, 219.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 103, 116) }
```

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

```
.background{ background-color: rgb(34, 103,  
116) }
```

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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