

Converting Colors

CIELCh(40, 20.844, 221.047)

Have a look what the booklet for
CIELCh(40, 20.844, 221.047)
contains.

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Color

CIELCh(40, 20.789, 221.881)

Conversions

Conversions Part 1

Format	Color
Hex	266674
RGB	38, 102, 116
RGB Percent	15%, 40%, 45%
CMY	0.8495, 0.5988, 0.5439
CMYK	0.67, 0.12, 0.00, 0.54
HSL	191°, 50%, 30%
HSV	191°, 67%, 46%
XYZ	8.7656, 11.2510, 18.3288
YIQ	84.4600, -42.6380, -9.2140

Conversions

Conversions Part 2

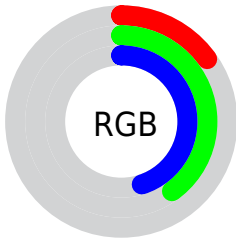
Format	Color
R_{YB}	38, 73, 116
Decimal	2516596
CIE _{Lab}	40.00, -15.48, -13.88
CIE _{LCh}	40, 20.789, 221.881
Yxy	11.2510, 0.2286, 0.2934
Android (android.graphics.Color)	4280706676 (0xFF266674)
YUV	84.4600, 15.5492, -40.7454
Hunter-Lab	33.5425, -12.0519, -8.9184




Details

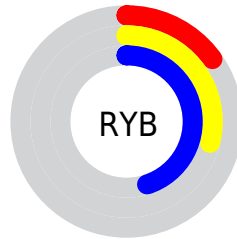
The CIELCh color `40, 20.789, 221.881` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `30, 34.809, 39.327`, and the grayscale version is `36, 0.005, 296.813`.




A 20% lighter version of the original color is `60, 20.778, 222.158`, and `21, 16.841, 229.120` is the 20% darker color. If you saturate the color by 10%, you get `39, 22.349, 223.718`, and if you desaturate by 10%, it is `41, 18.753, 220.449`.

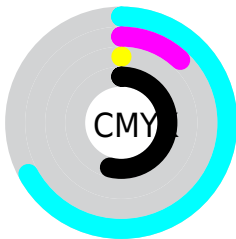
Distribution







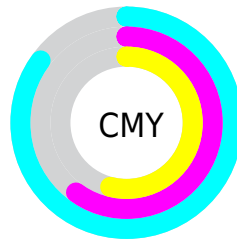
-  Red (15%)
-  Green (40%)
-  Blue (45%)






-  Red (15%)
-  Yellow (29%)
-  Blue (45%)



-  Cyan (67%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (54%)





-  Cyan (85%)
-  Magenta (60%)
-  Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.789, 221.881 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, 20.789, 221.881 by changing the saturation by 10% instead.


 40, 20.789,
221.881


 40, 20.789,
221.881


 100, 20.789,
221.881


 30, 20.789,
221.881

 60, 20.789,
221.881


 20, 20.789,
221.881

 70, 20.789,
221.881

 10, 20.789,
221.881

 80, 20.789,
221.881

 0, 20.789, 221.881

 90, 20.789,
221.881

 40, 20.789,

 40, 20.789,

221.881

221.881

■ 39, 22.349,
223.718

■ 41, 18.753,
220.449

■ 38, 23.439,
226.030

■ 42, 16.266,
219.359

■ 37, 24.176,
228.756

■ 44, 13.371,
218.549

■ 37, 24.398,
229.561

■ 45, 10.120,
217.970

■ 46, 6.570, 217.582

■ 48, 2.777, 217.395

■ 49, 1.211, 36.808

■ 51, 5.347, 36.982

■ 53, 9.595, 37.020

Harmonies

Complementary

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



40, 20.789, 221.881



30, 34.809, 39.327

Rectangle

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



40, 20.789, 221.881



40, 20.789, 271.881



40, 20.789, 41.881



40, 20.789, 91.881

Sweetspot

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



40, 20.788, 221.880



59, 9.445, 217.697



43, 47.975, 143.146



30, 6.450, 217.782



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, 20.788, 221.880



50, 27.645, 224.810



28, 33.907, 284.251



24, 2.235, 217.409



39, 25.308, 229.764



76, 42.991, 231.865

Inverse Universe

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



30, 46.636, 334.034



36, 63.654, 335.105



40, 33.591, 82.467



23, 4.200, 330.324



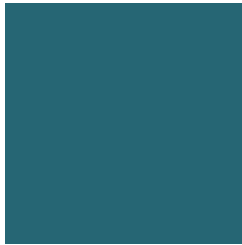
27, 58.641, 336.584



57, 98.700, 337.143

Previews

White Background



This preview shows how the CIELCh color 40, 20.789, 221.881 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, 20.789, 221.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

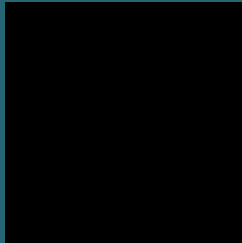
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 20.789, 221.881

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.789, 221.881.

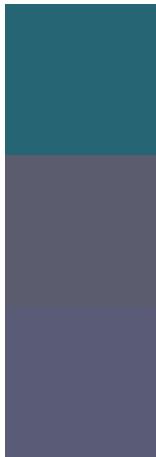


This preview shows how white text looks on a background with the CIELCh color 40, 20.789, 221.881.

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, 20.789, 221.881

Protanopia

40, 10.390, 287.474

Deuteranopia

40, 16.489, 290.085



Tritanopia
40, 20.990, 210.689

Trichromacy



Original Color
40, 20.789, 221.881

Protanomaly
39, 12.819, 248.774

Deuteranomaly
40, 15.708, 258.166

Tritanomaly
40, 20.855, 214.368

Monochromacy



Original Color
40, 20.789, 221.881

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 9.290, 217.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.789, 221.881 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(38, 102, 116)` looks like.

```
.text, #text, p{  
    color:rgb(38, 102, 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(38, 102, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 102, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.789, 221.881 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(38, 102, 116) }
```

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

```
.border{ border-color:rgb(38, 102, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 102, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 102, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 102, 116);  
box-shadow:4px 4px 4px 4px rgb(38, 102,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.789, 221.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 102, 116) }
```

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

```
.background{ background-color: rgb(38, 102,  
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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