

Converting Colors

CIELCh(41, 20.044, 256.432)

Have a look what the booklet for
CIELCh(41, 20.044, 256.432)
contains.

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Color

CIELCh(41, 20.128, 256.913)

Conversions

Conversions Part 1

Format	Color
Hex	406480
RGB	64, 100, 128
RGB Percent	25%, 39%, 50%
CMY	0.7474, 0.6063, 0.4964
CMYK	0.50, 0.22, 0.00, 0.50
HSL	206°, 33%, 38%
HSV	206°, 50%, 50%
XYZ	10.6609, 11.8645, 22.2947
YIQ	92.4280, -30.4440, 1.0760

Conversions

Conversions Part 2

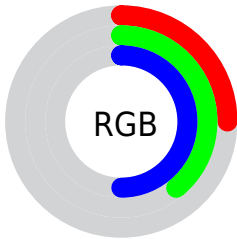
Format	Color
R_{YB}	64, 87, 128
Decimal	4220032
CIE _{Lab}	41.00, -4.56, -19.61
CIE _{LCh}	41, 20.128, 256.913
Yxy	11.8645, 0.2379, 0.2647
Android (android.graphics.Color)	4282410112 (0xFF406480)
YUV	92.4280, 17.5370, -24.9314
Hunter-Lab	34.4449, -5.0319, -14.2645

Details

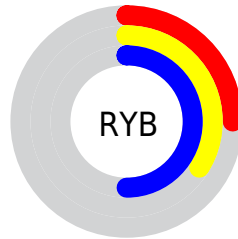
The CIELCh color **41, 20.128, 256.913** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **42, 24.512, 63.112**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 20.024, 256.849**, and **21, 20.094, 256.249** is the 20% darker color. If you saturate the color by 10%, you get **39, 23.739, 259.726**, and if you desaturate by 10%, it is **43, 16.353, 254.552**.

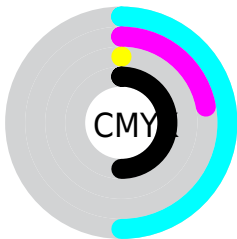
Distribution



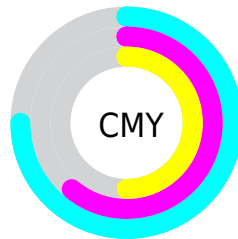
- Red (25%)
- Green (39%)
- Blue (50%)



- Red (25%)
- Yellow (34%)
- Blue (50%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (50%)





- Cyan (75%)
- Magenta (61%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 20.128, 256.913 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 41, 20.128, 256.913 by changing the saturation by 10% instead.


 41, 20.128,
256.913


 41, 20.128,
256.913


 100, 20.128,
256.913


 31, 20.128,
256.913

 61, 20.128,
256.913


 21, 20.128,
256.913

 71, 20.128,
256.913

 11, 20.128,
256.913


 81, 20.128,
256.913

 1, 20.128, 256.913

 91, 20.128,
256.913

 0, 20.128, 256.913

 41, 20.128,

 41, 20.128,

256.913

■ 39, 23.739,
259.726

■ 36, 27.198,
263.041

■ 34, 30.539,
266.873

■ 32, 33.825,
271.179

■ 30, 37.191,
275.549

■ 30, 37.248,
275.616

256.913

■ 43, 16.353,
254.552

■ 46, 12.426,
252.583

■ 49, 8.364, 250.947

■ 51, 4.192, 249.605

■ 54, 0.066, 63.807

■ 56, 4.386, 67.330

■ 59, 8.750, 66.533

■ 62, 13.139, 65.832

■ 64, 17.540, 65.224

Harmonies

Complementary

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



41, 20.128, 256.913



42, 24.512, 63.112

Rectangle

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



41, 20.128, 256.913



41, 20.128, 306.913



41, 20.128, 76.913



41, 20.128, 126.913

Sweetspot

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



41, 20.127, 256.912



63, 7.831, 250.307



49, 32.411, 155.411



32, 5.374, 250.553



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



41, 20.127, 256.912



49, 29.245, 260.198



32, 37.823, 294.544



26, 2.390, 249.517



30, 37.033, 275.578



0, 0.000, 0.000

Inverse Universe

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



36, 33.442, 345.056



43, 48.377, 346.606



51, 33.734, 102.448



25, 3.750, 341.084



27, 51.754, 355.026



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 41, 20.128, 256.913 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 41, 20.128, 256.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

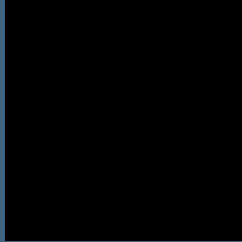
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

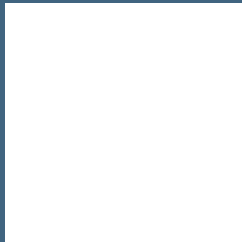
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 20.128, 256.913

Background



This preview shows how black text looks on a background with the CIELCh color 41, 20.128, 256.913.

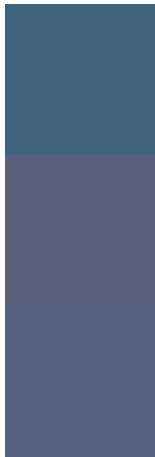


This preview shows how white text looks on a background with the CIELCh color 41, 20.128, 256.913.

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

41, 20.128, 256.913

Protanopia

41, 18.292, 286.069

Deuteranopia

41, 21.348, 285.754



Tritanopia
41, 15.943, 217.983

Trichromacy



Original Color
41, 20.128, 256.913

Protanomaly
41, 18.354, 273.864

Deuteranomaly
41, 20.133, 275.140

Tritanomaly
41, 16.550, 234.345

Monochromacy



Original Color
41, 20.128, 256.913

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 7.786, 250.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 20.128, 256.913 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(64, 100, 128)` looks like.

```
.text, #text, p{  
    color:rgb(64, 100, 128)  
}
```

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(64, 100, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 100, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 20.128, 256.913 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(64, 100, 128) }
```

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

```
.border{ border-color:rgb(64, 100, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 100, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 100, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 100, 128);  
box-shadow:4px 4px 4px 4px rgb(64, 100,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 20.128, 256.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 100, 128) }
```

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

```
.background{ background-color: rgb(64, 100,  
128) }
```

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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