

Converting Colors

CIELCh(41, 17.249, 302.453)

Have a look what the booklet for
CIELCh(41, 17.249, 302.453)
contains.

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Color

CIELCh(41, 16.687, 301.754)

Conversions

Conversions Part 1

Format	Color
Hex	645D78
RGB	100, 93, 120
RGB Percent	39%, 36%, 47%
CMY	0.6083, 0.6357, 0.5299
CMYK	0.17, 0.23, 0.00, 0.53
HSL	256°, 13%, 42%
HSV	256°, 23%, 47%
XYZ	12.5299, 11.8645, 19.3608
YIQ	98.1710, -4.4950, 9.8810

Conversions

Conversions Part 2

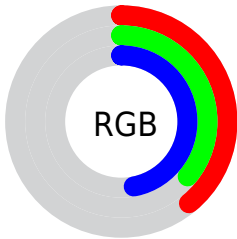
Format	Color
R_{YB}	100, 93, 120
Decimal	6577528
CIE Lab	41.00, 8.78, -14.19
CIE LCh	41, 16.687, 301.754
Yxy	11.8645, 0.2864, 0.2712
Android (android.graphics.Color)	4284767608 (0xFF645D78)
YUV	98.1710, 10.7617, 1.6040
Hunter-Lab	34.4449, 4.6534, -9.2143

Details

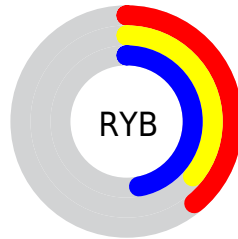
The CIELCh color $41, 16.687, 301.754$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $49, 15.972, 118.933$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 16.668, 301.973$, and $21, 16.489, 302.171$ is the 20% darker color. If you saturate the color by 10%, you get $37, 24.515, 302.563$, and if you desaturate by 10%, it is $45, 9.116, 301.034$.

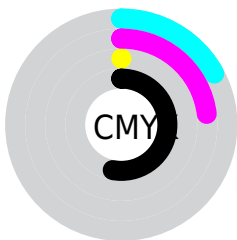
Distribution



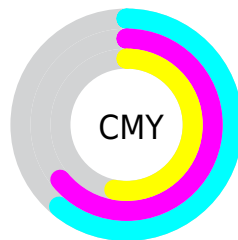
- Red (39%)
- Green (36%)
- Blue (47%)



- Red (39%)
- Yellow (36%)
- Blue (47%)



- Cyan (17%)
- Magenta (23%)
- Yellow (0%)
- Black (53%)



- Cyan (61%)
- Magenta (64%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 16.687, 301.754 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, 16.687, 301.754 by changing the saturation by 10% instead.

■ 41, 16.687,
301.754

■ 41, 16.687,
301.754

■ 100, 16.687,
301.754

■ 31, 16.687,
301.754

■ 61, 16.687,
301.754

■ 21, 16.687,
301.754

■ 71, 16.687,
301.754

■ 11, 16.687,
301.754

■ 81, 16.687,
301.754

■ 1, 16.687, 301.754

■ 91, 16.687,
301.754

■ 0, 16.687, 301.754

■ 41, 16.687,

■ 41, 16.687,

301.754

■ 37, 24.515,
302.563

■ 33, 32.583,
303.462

■ 29, 40.826,
304.434

■ 25, 49.108,
305.442

■ 21, 57.151,
306.414

■ 18, 64.469,
307.228

■ 15, 70.360,
307.722

■ 14, 74.484,
308.154

301.754

■ 45, 9.116, 301.034

■ 49, 1.806, 300.392

■ 53, 5.252, 119.858

■ 58, 12.069,
119.377

■ 62, 18.660,
118.960

■ 66, 25.036,
118.600

■ 70, 31.212,
118.289

■ 74, 37.200,
118.021

■ 78, 43.012,

Harmonies

Complementary

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



41, 16.687, 301.754



49, 15.972, 118.933

Rectangle

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



41, 16.687, 301.754



41, 16.687, 351.754



41, 16.687, 121.754



41, 16.687, 171.754

Sweetspot

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



41, 16.686, 301.753



61, 6.254, 300.684



46, 8.528, 226.822



31, 4.098, 300.710



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



41, 16.686, 301.753



50, 24.987, 302.159



42, 18.199, 318.217



23, 4.149, 300.807



14, 76.770, 308.117



34, 130.007, 307.682

Inverse Universe

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



43, 16.276, 334.125



53, 24.171, 334.482



48, 17.963, 136.275



24, 4.113, 333.220



27, 56.244, 341.408



56, 93.802, 342.327

Previews

White Background



This preview shows how the CIELCh color 41, 16.687, 301.754 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 41, 16.687, 301.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

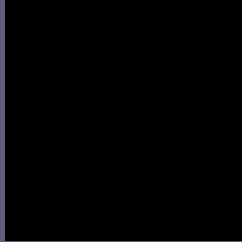
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 16.687, 301.754

Background



This preview shows how black text looks on a background with the CIELCh color 41, 16.687, 301.754.



This preview shows how white text looks on a background with the CIELCh color 41, 16.687, 301.754.

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, 16.687, 301.754

Protanopia

41, 15.870, 284.519

Deuteranopia

41, 15.184, 291.010



Tritanopia
41, 4.279, 296.276

Trichromacy



Original Color
41, 16.687, 301.754

Protanomaly
41, 15.789, 291.156

Deuteranomaly
41, 15.846, 295.238

Tritanomaly
41, 8.613, 299.401

Monochromacy



Original Color
41, 16.687, 301.754

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 6.208, 302.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 16.687, 301.754 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(100, 93, 120)` looks like.

```
.text, #text, p{  
    color:rgb(100, 93, 120)  
}
```

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(100, 93, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 93, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 16.687, 301.754 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(100, 93, 120) }
```

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

```
.border{ border-color:rgb(100, 93, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 93, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 93, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 93, 120);  
box-shadow:4px 4px 4px 4px rgb(100, 93,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 16.687, 301.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 93, 120) }
```

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

```
.background{ background-color: rgb(100, 93,  
120) }
```

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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