

Converting Colors

CIELCh(41, 15.952, 247.502)

Have a look what the booklet for
CIELCh(41, 15.952, 247.502)
contains.

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Color

CIELCh(41, 15.817, 245.655)

Conversions

Conversions Part 1

Format	Color
Hex	446578
RGB	68, 101, 120
RGB Percent	27%, 40%, 47%
CMY	0.7338, 0.6043, 0.5299
CMYK	0.43, 0.16, 0.00, 0.53
HSL	202°, 28%, 37%
HSV	202°, 43%, 47%
XYZ	10.4027, 11.8645, 19.4753
YIQ	93.2990, -25.7670, -1.0870

Conversions

Conversions Part 2

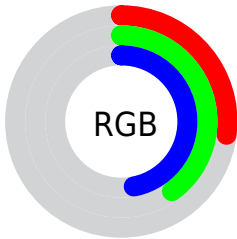
Format	Color
R_{YB}	68, 88, 120
Decimal	4482424
CIE _{Lab}	41.00, -6.52, -14.41
CIE _{LCh}	41, 15.817, 245.655
Yxy	11.8645, 0.2492, 0.2842
Android (android.graphics.Color)	4282672504 (0xFF446578)
YUV	93.2990, 13.1636, -22.1872
Hunter-Lab	34.4449, -6.3700, -9.4114

Details

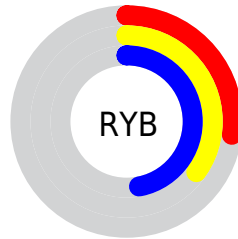
The CIELCh color $41, 15.817, 245.655$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 19.739, 56.138$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 15.611, 245.143$, and $21, 15.665, 245.777$ is the 20% darker color. If you saturate the color by 10%, you get $39, 18.936, 247.927$, and if you desaturate by 10%, it is $43, 12.466, 243.791$.

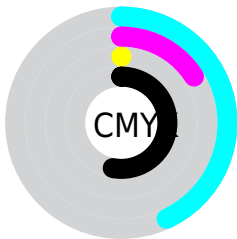
Distribution



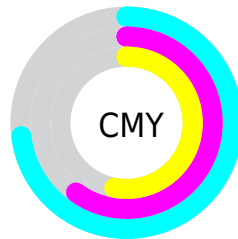
- Red (27%)
- Green (40%)
- Blue (47%)



- Red (27%)
- Yellow (35%)
- Blue (47%)



- Cyan (43%)
- Magenta (16%)
- Yellow (0%)
- Black (53%)





- Cyan (73%)
- Magenta (60%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 15.817, 245.655 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, 15.817, 245.655 by changing the saturation by 10% instead.


 41, 15.817,
245.655


 41, 15.817,
245.655


 100, 15.817,
245.655


 31, 15.817,
245.655


 61, 15.817,
245.655


 21, 15.817,
245.655


 71, 15.817,
245.655


 11, 15.817,
245.655


 81, 15.817,
245.655

 1, 15.817, 245.655

 91, 15.817,
245.655

 0, 15.817, 245.655

 41, 15.817,

 41, 15.817,

245.655

■ 39, 18.936,
247.927

■ 37, 21.809,
250.685

■ 35, 24.438,
253.990

■ 33, 26.854,
257.876

■ 32, 29.130,
262.300

■ 31, 30.684,
265.150

245.655

■ 43, 12.466,
243.791

■ 45, 8.913, 242.273

■ 47, 5.191, 241.048

■ 50, 1.330, 240.201

■ 52, 2.638, 58.991

■ 54, 6.686, 58.363

■ 56, 10.793, 57.796

■ 59, 14.938, 57.314

■ 61, 19.107, 56.904

Harmonies

Complementary

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



41, 15.817, 245.655



40, 19.739, 56.138

Rectangle

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



41, 15.817, 245.655



41, 15.817, 295.655



41, 15.817, 65.655



41, 15.817, 115.655

Sweetspot

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



41, 15.816, 245.653



61, 6.247, 241.043



46, 28.780, 152.604



31, 4.392, 241.249



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, 15.816, 245.653



50, 22.840, 247.905



33, 27.819, 289.468



25, 2.239, 240.612



32, 31.698, 265.391



64, 55.345, 268.350

Inverse Universe

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



36, 28.999, 340.489



44, 42.407, 341.493



47, 25.919, 98.592



24, 3.813, 337.643



27, 52.725, 349.007



55, 87.874, 350.559

Previews

White Background



This preview shows how the CIELCh color 41, 15.817, 245.655 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, 15.817, 245.655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

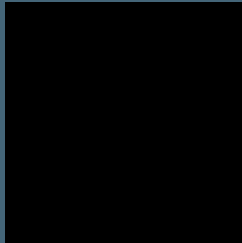
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

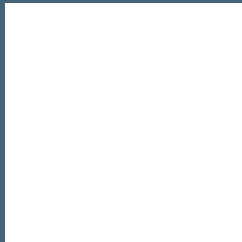
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 15.817, 245.655

Background



This preview shows how black text looks on a background with the CIELCh color 41, 15.817, 245.655.



This preview shows how white text looks on a background with the CIELCh color 41, 15.817, 245.655.

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, 15.817, 245.655

Protanopia

41, 12.793, 286.979

Deuteranopia

41, 15.795, 289.814



Tritanopia
41, 14.059, 221.055

Trichromacy



Original Color
41, 15.817, 245.655

Protanomaly
41, 13.033, 268.651

Deuteranomaly
41, 15.154, 274.185

Tritanomaly
41, 14.357, 228.850

Monochromacy



Original Color
41, 15.817, 245.655

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 6.276, 241.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 15.817, 245.655 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(68, 101, 120)` looks like.

```
.text, #text, p{  
    color:rgb(68, 101, 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(68, 101, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 101, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 15.817, 245.655 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(68, 101, 120) }
```

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

```
.border{ border-color:rgb(68, 101, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 101, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 101, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 101, 120);  
box-shadow:4px 4px 4px 4px rgb(68, 101,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 15.817, 245.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 101, 120) }
```

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

```
.background{ background-color: rgb(68, 101,  
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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