

Converting Colors

CIELCh(45, 16.730, 278.863)

Have a look what the booklet for
CIELCh(45, 16.730, 278.863)
contains.

CIELCh(45, 17.046, 279.155)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 17.046, 279.155)

Conversions

Conversions Part 1

Format	Color
Hex	5F6A86
RGB	95, 106, 134
RGB Percent	37%, 42%, 53%
CMY	0.6264, 0.5832, 0.4734
CMYK	0.29, 0.21, 0.00, 0.47
HSL	223°, 17%, 45%
HSV	223°, 29%, 53%
XYZ	14.2536, 14.5417, 24.7151
YIQ	105.9030, -15.5440, 6.3760

Conversions

Conversions Part 2

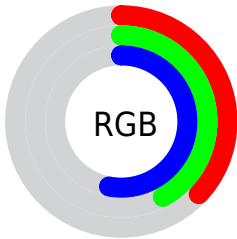
Format	Color
R _Y B	95, 104, 134
Decimal	6253190
CIE Lab	45.00, 2.71, -16.83
CIE LCh	45, 17.046, 279.155
Yxy	14.5417, 0.2664, 0.2718
Android (android.graphics.Color)	4284443270 (0xFF5F6A86)
YUV	105.9030, 13.8518, -9.5619
Hunter-Lab	38.1336, -0.0140, -11.7335

Details

The CIELCh color $45, 17.046, 279.155$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 16.869, 91.526$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 17.013, 279.004$, and $25, 16.861, 278.585$ is the 20% darker color. If you saturate the color by 10%, you get $41, 23.169, 281.042$, and if you desaturate by 10%, it is $49, 11.060, 277.532$.

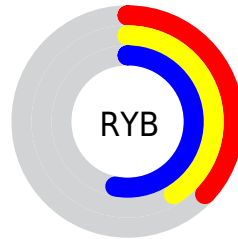
Distribution



Red (37%)

Green (42%)

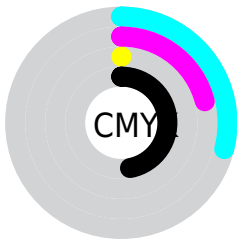
Blue (53%)



Red (37%)

Yellow (41%)

Blue (53%)

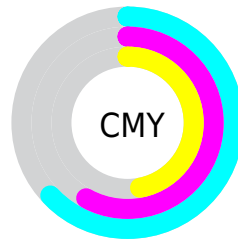


Cyan (29%)

Magenta (21%)

Yellow (0%)

Black (47%)



Cyan (63%)


Magenta (58%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 17.046, 279.155 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 45, 17.046, 279.155 by changing the saturation by 10% instead.


 45, 17.046,
279.155


 45, 17.046,
279.155


 100, 17.046,
279.155


 35, 17.046,
279.155

 65, 17.046,
279.155


 25, 17.046,
279.155

 75, 17.046,
279.155

 15, 17.046,
279.155


 85, 17.046,
279.155

 5, 17.046, 279.155

 95, 17.046,
279.155

 0, 17.046, 279.155

 45, 17.046,

 45, 17.046,

279.155

279.155

■ 41, 23.169,
281.042

■ 49, 11.060,
277.532

■ 37, 29.447,
283.231

■ 53, 5.203, 276.148

■ 34, 35.900,
285.746

■ 56, 0.533, 94.620

■ 60, 6.153, 93.835

■ 30, 42.546,
288.584

■ 64, 11.658, 92.931

■ 27, 49.382,
291.695

■ 68, 17.052, 92.131

■ 71, 22.337, 91.423

■ 24, 56.335,
294.961

■ 75, 27.514, 90.793

■ 21, 63.234,
298.067

■ 79, 32.587, 90.229

■ 20, 63.881,
298.329

Harmonies

Complementary

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



45, 17.046, 279.155



52, 16.869, 91.526

Rectangle

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



45, 17.046, 279.155



45, 17.046, 329.155



45, 17.046, 99.155



45, 17.046, 149.155

Sweetspot

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



45, 17.045, 279.154



67, 6.377, 276.166



53, 16.161, 174.396



34, 4.417, 276.328



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 17.045, 279.154



54, 25.493, 280.389



43, 23.828, 300.855



26, 3.209, 276.156



20, 62.218, 298.222



0, 0.762, 275.020

Inverse Universe

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



45, 17.636, 0.288



54, 26.422, 1.230



54, 22.413, 116.768



26, 3.265, 357.992



26, 53.141, 20.872



0, 0.768, 357.220

Previews

White Background



This preview shows how the CIE LCh color 45, 17.046, 279.155 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 45, 17.046, 279.155 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

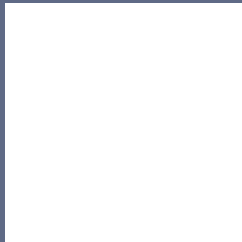
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 17.046, 279.155

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.046, 279.155.



This preview shows how white text looks on a background with the CIELCh color 45, 17.046, 279.155.

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

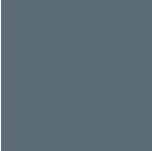
45, 17.046, 279.155

Protanopia

45, 17.396, 285.422

Deuteranopia

45, 18.525, 290.498



Tritanopia
45, 8.265, 239.570

Trichromacy



Original Color
45, 17.046, 279.155

Protanomaly
45, 17.434, 284.266

Deuteranomaly
45, 17.954, 286.889

Tritanomaly
45, 10.892, 260.741

Monochromacy



Original Color
45, 17.046, 279.155

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 6.144, 276.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.046, 279.155 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(95, 106, 134)` looks like.

```
.text, #text, p{  
    color:rgb(95, 106, 134)  
}
```

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(95, 106, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 106, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.046, 279.155 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(95, 106, 134) }
```

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

```
.border{ border-color:rgb(95, 106, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 106, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 106, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 106, 134);  
box-shadow:4px 4px 4px 4px rgb(95, 106,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.046, 279.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 106, 134) }
```

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

```
.background{ background-color: rgb(95, 106,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor