

Converting Colors

CIELCh(45, 6.605, 283.618)

Have a look what the booklet for
CIELCh(45, 6.605, 283.618) contains.

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Color

CIELCh(45, 6.599, 284.284)

Conversions

Conversions Part 1

Format	Color
Hex	686A75
RGB	104, 106, 117
RGB Percent	41%, 42%, 46%
CMY	0.5921, 0.5842, 0.5411
CMYK	0.11, 0.09, 0.00, 0.54
HSL	231°, 6%, 43%
HSV	231°, 11%, 46%
XYZ	14.0798, 14.5417, 18.9009
YIQ	106.6560, -4.7230, 2.9970

Conversions

Conversions Part 2

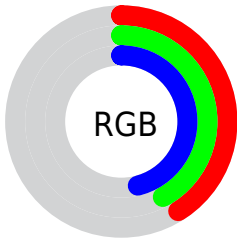
Format	Color
R_{YB}	104, 106, 117
Decimal	6842997
CIE Lab	45.00, 1.63, -6.39
CIE LCh	45, 6.599, 284.284
Yxy	14.5417, 0.2963, 0.3060
Android (android.graphics.Color)	4285033077 (0xFF686A75)
YUV	106.6560, 5.0996, -2.3293
Hunter-Lab	38.1336, -0.8274, -2.6935

Details

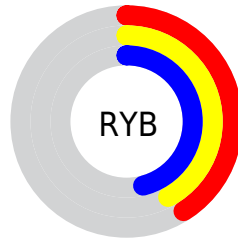
The CIELCh color $45, 6.599, 284.284$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 6.494, 101.868$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 6.704, 284.570$, and $25, 6.628, 284.226$ is the 20% darker color. If you saturate the color by 10%, you get $41, 12.730, 285.567$, and if you desaturate by 10%, it is $49, 0.654, 283.284$.

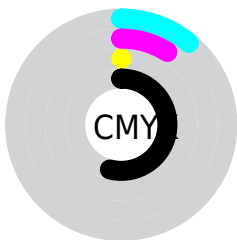
Distribution



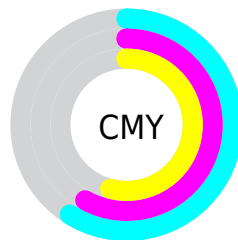
- Red (41%)
- Green (42%)
- Blue (46%)



- Red (41%)
- Yellow (42%)
- Blue (46%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (54%)



- Cyan (59%)
- Magenta (58%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.599, 284.284 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, 6.599, 284.284 by changing the saturation by 10% instead.

■ 45, 6.599, 284.284

■ 45, 6.599, 284.284

■ 100, 6.599,
284.284

■ 35, 6.599, 284.284

■ 65, 6.599, 284.284

■ 25, 6.599, 284.284

■ 75, 6.599, 284.284

■ 15, 6.599, 284.284

■ 85, 6.599, 284.284

■ 5, 6.599, 284.284

■ 95, 6.599, 284.284

■ 0, 6.599, 284.284

■ 45, 6.599, 284.284

■ 45, 6.599, 284.284

■ 41, 12.730,
285.567

■ 49, 0.654, 283.284

■ 37, 19.064,

■ 53, 5.115, 102.165

287.071

56, 10.719,
101.335

33, 25.620,
288.818

60, 16.167,
100.607

30, 32.413,
290.831

64, 21.468, 99.966

26, 39.448,
293.115

68, 26.629, 99.400

22, 46.689,
295.636

71, 31.655, 98.898

75, 36.554, 98.450

19, 54.000,
298.296

78, 41.332, 98.048

16, 61.055,
300.915

14, 66.729,
302.846

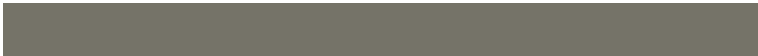
Harmonies

Complementary

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



45, 6.599, 284.284



48, 6.494, 101.868

Rectangle

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



45, 6.599, 284.284



45, 6.599, 334.284



45, 6.599, 104.284



45, 6.599, 154.284

Sweetspot

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



45, 6.598, 284.278



62, 2.198, 283.404



48, 5.326, 184.980



31, 1.657, 283.471



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 6.598, 284.278



57, 9.649, 284.547



45, 7.989, 303.641



23, 3.340, 284.036



15, 69.181, 302.963



35, 122.214, 304.170

Inverse Universe

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



45, 5.557, 7.724



57, 8.150, 7.949



49, 7.832, 122.482



23, 2.805, 7.517



24, 54.578, 30.678



52, 95.346, 33.695

Previews

White Background



This preview shows how the CIELCh color 45, 6.599, 284.284 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, 6.599, 284.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

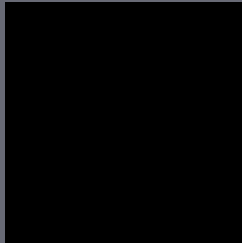
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

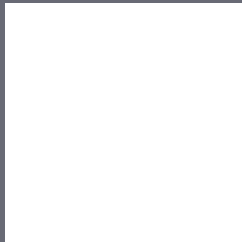
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 6.599, 284.284

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.599, 284.284.

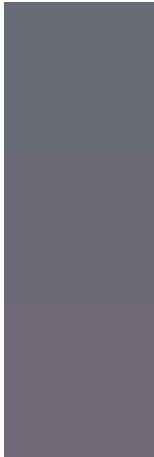


This preview shows how white text looks on a background with the CIELCh color 45, 6.599, 284.284.

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, 6.599, 284.284

Protanopia

45, 6.572, 287.677

Deuteranopia

45, 8.985, 311.996



Tritanopia
45, 5.418, 282.559

Trichromacy



Original Color

45, 6.599, 284.284

Protanomaly

45, 6.572, 287.677

Deuteranomaly

45, 7.948, 302.706

Tritanomaly

45, 6.008, 283.498

Monochromacy



Original Color

45, 6.599, 284.284

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 2.415, 280.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.599, 284.284 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(104, 106, 117)` looks like.

```
.text, #text, p{  
    color:rgb(104, 106, 117)  
}
```

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(104, 106, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 106, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.599, 284.284 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(104, 106, 117) }
```

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

```
.border{ border-color:rgb(104, 106, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 106, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 106, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 106, 117);  
box-shadow:4px 4px 4px 4px rgb(104, 106,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.599, 284.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 106, 117) }
```

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

```
.background{ background-color: rgb(104,  
106, 117) }
```

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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