

Converting Colors

CIELCh(45, 12.432, 261.021)

Have a look what the booklet for
CIELCh(45, 12.432, 261.021)
contains.

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Color

CIELCh(45, 12.726, 262.587)

Conversions

Conversions Part 1

Format	Color
Hex	5B6C7F
RGB	91, 108, 127
RGB Percent	36%, 42%, 50%
CMY	0.6423, 0.5756, 0.5011
CMYK	0.28, 0.15, 0.00, 0.50
HSL	212°, 16%, 43%
HSV	212°, 28%, 50%
XYZ	13.5641, 14.5417, 22.2443
YIQ	105.0830, -16.2310, 2.3050

Conversions

Conversions Part 2

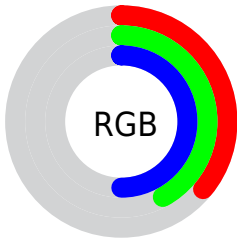
Format	Color
RYB	91, 103, 127
Decimal	5991551
CIELab	45.00, -1.64, -12.62
CIElCh	45, 12.726, 262.587
Yxy	14.5417, 0.2694, 0.2888
Android (android.graphics.Color)	4284181631 (0xFF5B6C7F)
YUV	105.0830, 10.8051, -12.3508
Hunter-Lab	38.1336, -3.2412, -7.8918

Details

The CIELCh color $45, 12.726, 262.587$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 13.531, 74.907$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.950, 263.984$, and $25, 12.615, 262.172$ is the 20% darker color. If you saturate the color by 10%, you get $42, 17.151, 264.584$, and if you desaturate by 10%, it is $48, 8.257, 260.891$.

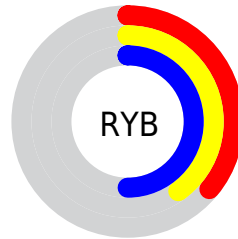
Distribution



Red (36%)

Green (42%)

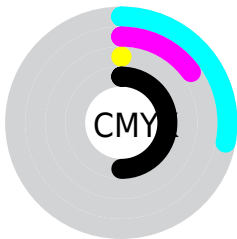
Blue (50%)



Red (36%)

Yellow (40%)

Blue (50%)

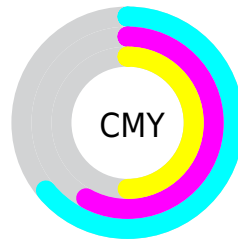


Cyan (28%)

Magenta (15%)

Yellow (0%)

Black (50%)



Cyan (64%)


Magenta (58%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.726, 262.587 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, 12.726, 262.587 by changing the saturation by 10% instead.


 45, 12.726,
262.587


 45, 12.726,
262.587


 100, 12.726,
262.587


 35, 12.726,
262.587

 65, 12.726,
262.587


 25, 12.726,
262.587

 75, 12.726,
262.587

 15, 12.726,
262.587

 85, 12.726,
262.587

 5, 12.726, 262.587

 95, 12.726,
262.587

 0, 12.726, 262.587

 45, 12.726,

 45, 12.726,

262.587

262.587

■ 42, 17.151,
264.584

■ 48, 8.257, 260.891

■ 39, 21.528,
266.940

■ 51, 3.757, 259.477

■ 54, 0.761, 77.845

■ 37, 25.860,
269.698

■ 57, 5.285, 77.057

■ 34, 30.164,
272.889

■ 60, 9.802, 76.156

■ 63, 14.303, 75.359

■ 31, 34.475,
276.508

■ 66, 18.779, 74.657

■ 29, 38.845,
280.495

■ 69, 23.223, 74.035

■ 71, 27.629, 73.481

■ 26, 43.346,
284.550

■ 26, 44.132,
285.179

Harmonies

Complementary

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



45, 12.726, 262.587



48, 13.531, 74.907

Rectangle

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



45, 12.726, 262.587



45, 12.726, 312.587



45, 12.726, 82.587



45, 12.726, 132.587

Sweetspot

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



45, 12.725, 262.584



65, 4.493, 259.462



50, 17.487, 162.053



34, 3.217, 259.632



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 12.725, 262.584



56, 18.929, 263.846



40, 21.981, 293.999



25, 2.554, 259.578



26, 44.213, 285.189



0, 0.000, 0.000

Inverse Universe

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



43, 18.019, 347.737



53, 26.940, 348.464



52, 20.598, 108.279



25, 3.528, 345.871



26, 50.612, 3.106



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 12.726, 262.587 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 45, 12.726, 262.587 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

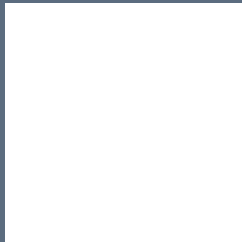
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 12.726, 262.587

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.726, 262.587.

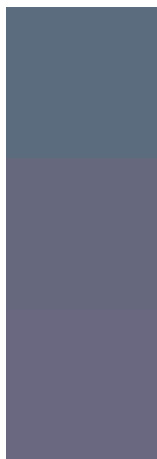


This preview shows how white text looks on a background with the CIELCh color 45, 12.726, 262.587.

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, 12.726, 262.587

Protanopia

45, 11.981, 286.423

Deuteranopia

45, 14.384, 295.168



Tritanopia
45, 9.101, 230.451

Trichromacy



Original Color
45, 12.726, 262.587

Protanomaly
45, 12.230, 277.734

Deuteranomaly
45, 13.213, 283.898

Tritanomaly
45, 9.900, 245.439

Monochromacy



Original Color
45, 12.726, 262.587

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 4.763, 260.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.726, 262.587 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(91, 108, 127)` looks like.

```
.text, #text, p{  
    color:rgb(91, 108, 127)  
}
```

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(91, 108, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 108, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.726, 262.587 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(91, 108, 127) }
```

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

```
.border{ border-color:rgb(91, 108, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 108, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 108, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 108, 127);  
box-shadow:4px 4px 4px 4px rgb(91, 108,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.726, 262.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 108, 127) }
```

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

```
.background{ background-color: rgb(91, 108,  
127) }
```

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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