

Converting Colors

CIELCh(45, 12.220, 257.761)

Have a look what the booklet for
CIELCh(45, 12.220, 257.761)
contains.

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Color

CIELCh(45, 12.075, 256.468)

Conversions

Conversions Part 1

Format	Color
Hex	5A6D7E
RGB	90, 109, 126
RGB Percent	35%, 43%, 49%
CMY	0.6481, 0.5736, 0.5069
CMYK	0.29, 0.14, 0.00, 0.51
HSL	208°, 17%, 42%
HSV	208°, 29%, 49%
XYZ	13.3807, 14.5417, 21.7495
YIQ	105.2570, -16.7810, 1.2590

Conversions

Conversions Part 2

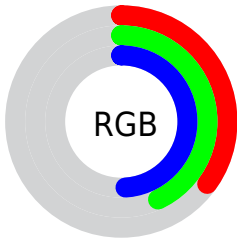
Format	Color
RYB	90, 102, 126
Decimal	5926270
CIELab	45.00, -2.83, -11.74
CIELCh	45, 12.075, 256.468
Yxy	14.5417, 0.2694, 0.2928
Android (android.graphics.Color)	4284116350 (0xFF5A6D7E)
YUV	105.2570, 10.2263, -13.3804
Hunter-Lab	38.1336, -4.1001, -7.1226

Details

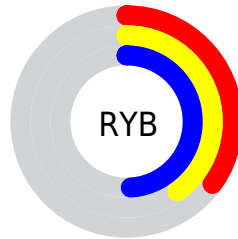
The CIELCh color $45, 12.075, 256.468$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 13.191, 69.055$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.317, 258.467$, and $25, 11.895, 255.323$ is the 20% darker color. If you saturate the color by 10%, you get $42, 16.128, 258.437$, and if you desaturate by 10%, it is $48, 7.924, 254.812$.

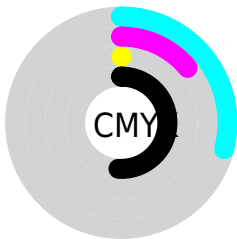
Distribution



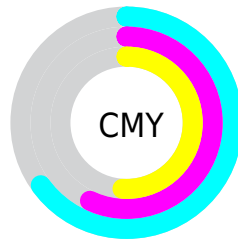
- Red (35%)
- Green (43%)
- Blue (49%)



- Red (35%)
- Yellow (40%)
- Blue (49%)



- Cyan (29%)
- Magenta (14%)
- Yellow (0%)
- Black (51%)



- Cyan (65%)
- Magenta (57%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 12.075, 256.468 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, 12.075, 256.468 by changing the saturation by 10% instead.

 45, 12.075,
256.468

 45, 12.075,
256.468

 100, 12.075,
256.468

 35, 12.075,
256.468

 65, 12.075,
256.468

 25, 12.075,
256.468

 75, 12.075,
256.468

 15, 12.075,
256.468

 85, 12.075,
256.468

 5, 12.075, 256.468

 95, 12.075,
256.468

 0, 12.075, 256.468

 45, 12.075,

 45, 12.075,

256.468

■ 42, 16.128,
258.437

■ 40, 20.073,
260.784

■ 37, 23.902,
263.561

■ 35, 27.628,
266.808

■ 33, 31.285,
270.537

■ 30, 34.928,
274.701

■ 28, 38.664,
278.970

■ 28, 39.196,
279.511

256.468

■ 48, 7.924, 254.812

■ 50, 3.697, 253.448

■ 53, 0.587, 71.711

■ 56, 4.911, 71.113

■ 59, 9.258, 70.271

■ 61, 13.614, 69.529

■ 64, 17.967, 68.880

■ 67, 22.307, 68.310

■ 70, 26.627, 67.806

Harmonies

Complementary

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



45, 12.075, 256.468



46, 13.191, 69.055

Rectangle

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



45, 12.075, 256.468



45, 12.075, 306.468



45, 12.075, 76.468



45, 12.075, 126.468

Sweetspot

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



45, 12.074, 256.464



64, 4.774, 253.519



50, 18.208, 159.444



33, 3.298, 253.672



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 12.074, 256.464



56, 17.645, 257.642



40, 21.248, 292.196



25, 2.443, 253.507



28, 39.644, 279.583



0, 0.000, 0.000

Inverse Universe

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



42, 18.673, 344.611



52, 27.484, 345.246



51, 19.985, 106.084



25, 3.662, 342.840



27, 51.179, 358.034



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 45, 12.075, 256.468 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, 12.075, 256.468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

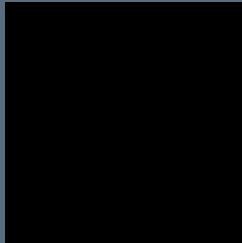
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

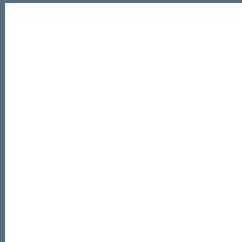
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 12.075, 256.468

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.075, 256.468.



This preview shows how white text looks on a background with the CIELCh color 45, 12.075, 256.468.

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, 12.075, 256.468

Protanopia

45, 10.769, 287.621

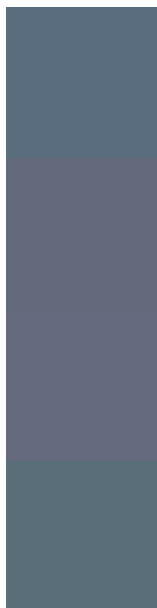
Deuteranopia

45, 13.819, 296.800



Tritanopia
45, 9.670, 232.560

Trichromacy



Original Color
45, 12.075, 256.468

Protanomaly
45, 11.085, 275.947

Deuteranomaly
45, 12.625, 283.403

Tritanomaly
45, 10.024, 239.836

Monochromacy



Original Color
45, 12.075, 256.468

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.959, 257.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.075, 256.468 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(90, 109, 126)` looks like.

```
.text, #text, p{  
    color:rgb(90, 109, 126)  
}
```

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(90, 109, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 109, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.075, 256.468 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(90, 109, 126) }
```

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

```
.border{ border-color:rgb(90, 109, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 109, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 109, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 109, 126);  
box-shadow:4px 4px 4px 4px rgb(90, 109,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.075, 256.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 109, 126) }
```

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

```
.background{ background-color: rgb(90, 109,  
126) }
```

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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