

Converting Colors

CIELCh(45, 30.754, 272.275)

Have a look what the booklet for
CIELCh(45, 30.754, 272.275)
contains.

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Color

CIELCh(45, 30.754, 272.275)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 456C9D |
| RGB | 69, 108, 157 |
| RGB Percent | 27%, 42%, 62% |
| CMY | 0.7276, 0.5749, 0.3826 |
| CMYK | 0.56, 0.31, 0.00, 0.38 |
| HSL | 213°, 39%, 44% |
| HSV | 213°, 56%, 62% |
| XYZ | 14.0149, 14.5417, 34.1625 |
| YIQ | 101.9250, -38.9730, 6.9710 |

Conversions

Conversions Part 2

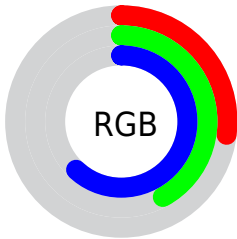
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 69, 96, 157 |
| Decimal | 4549789 |
| CIE Lab | 45.00, 1.22, -30.73 |
| CIE LCh | 45, 30.754, 272.275 |
| Yxy | 14.5417, 0.2235, 0.2319 |
| Android (android.graphics.Color) | 4282739869 (0xFF456C9D) |
| YUV | 101.9250, 27.1520, -28.8752 |
| Hunter-Lab | 38.1336, -1.1314, -26.4222 |

Details

The CIELCh color **45, 30.754, 272.275** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **53, 33.959, 74.062**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 30.956, 272.413**, and **25, 30.546, 272.032** is the 20% darker color. If you saturate the color by 10%, you get **42, 36.230, 275.427**, and if you desaturate by 10%, it is **48, 25.285, 269.551**.

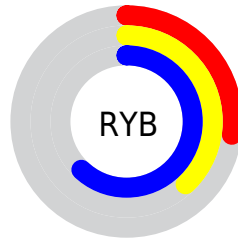
Distribution



Red (27%)

Green (42%)

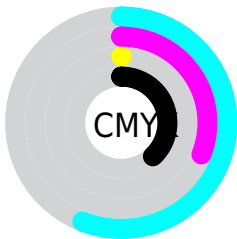
Blue (62%)



Red (27%)

Yellow (38%)

Blue (62%)

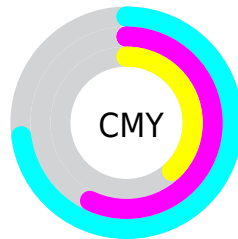


Cyan (56%)

Magenta (31%)

Yellow (0%)

Black (38%)



Cyan (73%)


Magenta (57%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 30.754, 272.275 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, 30.754, 272.275 by changing the saturation by 10% instead.


 45, 30.754,
272.275


 45, 30.754,
272.275


 100, 30.754,
272.275


 35, 30.754,
272.275

 65, 30.754,
272.275


 25, 30.754,
272.275

 75, 30.754,
272.275

 15, 30.754,
272.275

 85, 30.754,
272.275

 5, 30.754, 272.275

 95, 30.754,
272.275

 0, 30.754, 272.275

 45, 30.754,

 45, 30.754,

272.275

42, 36.230,
275.427

38, 41.758,
279.001

35, 47.389,
282.931

32, 53.172,
287.054

31, 55.616,
288.640

272.275

48, 25.285,
269.551

52, 19.802,
267.222

56, 14.300,
265.245

59, 8.781, 263.570

63, 3.256, 262.185

66, 2.263, 80.751

70, 7.764, 79.774

74, 13.235, 78.867

77, 18.667, 78.068

Harmonies

Complementary

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



45, 30.754, 272.275



53, 33.959, 74.062

Rectangle

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



45, 30.754, 272.275



45, 30.754, 322.275



45, 30.754, 92.275



45, 30.754, 142.275

Sweetspot

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



45, 30.753, 272.275



74, 11.605, 263.794



59, 38.300, 160.372



38, 7.743, 264.086



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



45, 30.753, 272.275



53, 45.501, 276.245



34, 54.679, 299.606



32, 3.137, 262.614



28, 51.332, 288.258



2, 4.193, 263.572

Inverse Universe

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



42, 41.204, 353.507



50, 59.007, 356.070



63, 46.802, 107.442



31, 4.142, 347.600



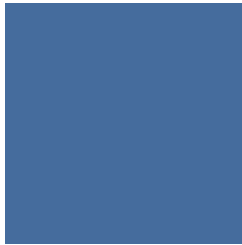
30, 54.823, 6.418



1, 5.272, 348.202

Previews

White Background



This preview shows how the CIELCh color 45, 30.754, 272.275 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, 30.754, 272.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

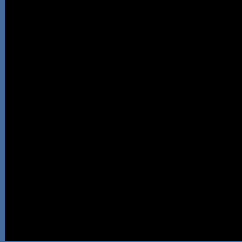
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 30.754, 272.275

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.754, 272.275.

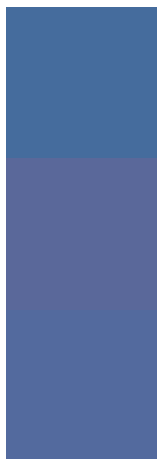


This preview shows how white text looks on a background with the CIELCh color 45, 30.754, 272.275.

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, 30.754, 272.275

Protanopia

45, 30.007, 285.620

Deuteranopia

45, 31.458, 281.330



Tritanopia
45, 19.475, 213.627

Trichromacy



Original Color
45, 30.754, 272.275

Protanomaly
45, 29.759, 280.155

Deuteranomaly
45, 31.190, 277.919

Tritanomaly
45, 20.585, 240.285

Monochromacy



Original Color
45, 30.754, 272.275

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 11.828, 265.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.754, 272.275 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(69, 108, 157)` looks like.

```
.text, #text, p{  
    color:rgb(69, 108, 157)  
}
```

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(69, 108, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 108, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.754, 272.275 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(69, 108, 157) }
```

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

```
.border{ border-color:rgb(69, 108, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 108, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 108, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 108, 157);  
box-shadow:4px 4px 4px 4px rgb(69, 108,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.754, 272.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 108, 157) }
```

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

```
.background{ background-color: rgb(69, 108,  
157) }
```

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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