

Converting Colors

CIELCh(45, 21.877, 254.705)

Have a look what the booklet for
CIELCh(45, 21.877, 254.705)
contains.

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Color

CIELCh(45, 21.724, 254.615)

Conversions

Conversions Part 1

Format	Color
Hex	456F8D
RGB	69, 111, 141
RGB Percent	27%, 44%, 55%
CMY	0.7296, 0.5649, 0.4473
CMYK	0.51, 0.21, 0.00, 0.45
HSL	205°, 34%, 41%
HSV	205°, 51%, 55%
XYZ	12.9323, 14.5417, 27.3024
YIQ	101.8620, -34.6620, 0.4260

Conversions

Conversions Part 2

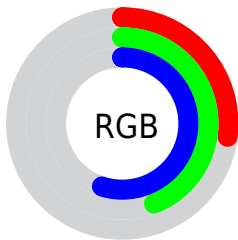
Format	Color
RYB	69, 96, 141
Decimal	4550541
CIELab	45.00, -5.76, -20.95
CIELCh	45, 21.724, 254.615
Yxy	14.5417, 0.2361, 0.2655
Android (android.graphics.Color)	4282740621 (0xFF456F8D)
YUV	101.8620, 19.2950, -28.8200
Hunter-Lab	38.1336, -6.1987, -15.7562

Details

The CIELCh color **45, 21.724, 254.615** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 27.211, 60.781**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 21.660, 254.388**, and **25, 22.024, 255.951** is the 20% darker color. If you saturate the color by 10%, you get **43, 25.418, 257.503**, and if you desaturate by 10%, it is **48, 17.820, 252.205**.

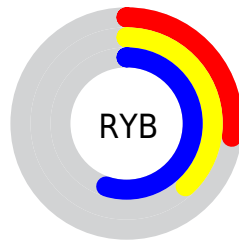
Distribution



Red (27%)

Green (44%)

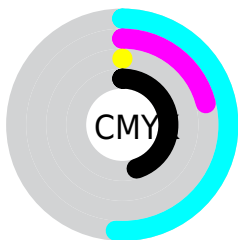
Blue (55%)



Red (27%)

Yellow (38%)

Blue (55%)

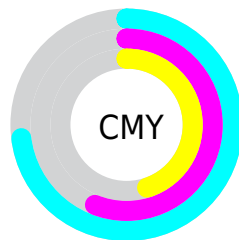


Cyan (51%)

Magenta (21%)

Yellow (0%)

Black (45%)



Cyan (73%)


Magenta (56%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.724, 254.615 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, 21.724, 254.615 by changing the saturation by 10% instead.


 45, 21.724,
254.615


 45, 21.724,
254.615


 100, 21.724,
254.615


 35, 21.724,
254.615

 65, 21.724,
254.615


 25, 21.724,
254.615

 75, 21.724,
254.615

 15, 21.724,
254.615

 85, 21.724,
254.615

 5, 21.724, 254.615

 95, 21.724,
254.615

 0, 21.724, 254.615

 45, 21.724,

 45, 21.724,

254.615

■ 43, 25.418,
257.503

■ 40, 28.916,
260.922

■ 38, 32.257,
264.889

■ 36, 35.518,
269.353

■ 34, 38.493,
273.395

254.615

■ 48, 17.820,
252.205

■ 50, 13.720,
250.209

■ 53, 9.447, 248.562

■ 56, 5.031, 247.216

■ 58, 0.500, 246.670

■ 61, 4.115, 64.961

■ 64, 8.792, 64.193

■ 67, 13.507, 63.518

■ 70, 18.245, 62.935

Harmonies

Complementary

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



45, 21.724, 254.615



46, 27.211, 60.781

Rectangle

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



45, 21.724, 254.615



45, 21.724, 304.615



45, 21.724, 74.615



45, 21.724, 124.615

Sweetspot

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



45, 21.723, 254.614



70, 8.405, 247.751



53, 36.763, 153.687



36, 5.700, 248.000



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 21.723, 254.614



55, 31.410, 257.893



35, 40.364, 293.503



29, 2.596, 246.996



33, 37.218, 273.183



1, 1.772, 245.904

Inverse Universe

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



40, 37.352, 344.081



48, 53.835, 345.564



55, 36.171, 100.523



28, 4.184, 340.058



29, 54.380, 353.425



1, 2.800, 339.414

Previews

White Background



This preview shows how the CIELCh color 45, 21.724, 254.615 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, 21.724, 254.615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

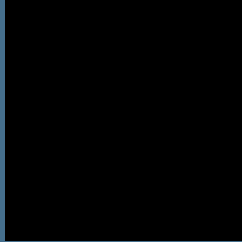
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

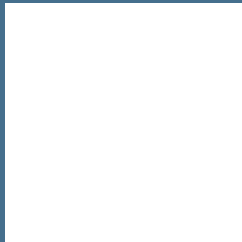
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 21.724, 254.615

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.724, 254.615.

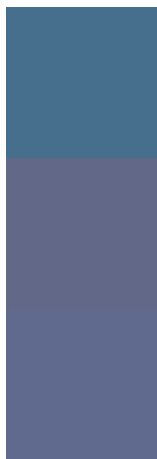


This preview shows how white text looks on a background with the CIELCh color 45, 21.724, 254.615.

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, 21.724, 254.615

Protanopia

45, 18.609, 285.018

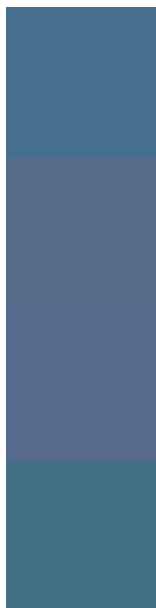
Deuteranopia

45, 22.202, 285.148



Tritanopia
45, 17.779, 215.396

Trichromacy



Original Color
45, 21.724, 254.615

Protanomaly
45, 19.469, 272.084

Deuteranomaly
45, 21.753, 274.117

Tritanomaly
45, 18.341, 231.855

Monochromacy



Original Color
45, 21.724, 254.615

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 8.586, 249.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.724, 254.615 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, 111, 141)` looks like.

```
.text, #text, p{  
    color:rgb(69, 111, 141)  
}
```

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, 111, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 111, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.724, 254.615 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, 111, 141) }
```

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

```
.border{ border-color:rgb(69, 111, 141) }
```

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

Here you see how a box with a 4 pixel rgb(69, 111, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 111, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 111, 141);  
box-shadow:4px 4px 4px 4px rgb(69, 111,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.724, 254.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 111, 141) }
```

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

```
.background{ background-color: rgb(69, 111,  
141) }
```

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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