

Converting Colors

CIELCh(45, 24.551, 288.391)

Have a look what the booklet for
CIELCh(45, 24.551, 288.391)
contains.

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Color

CIELCh(45, 24.504, 288.707)

Conversions

Conversions Part 1

Format	Color
Hex	626891
RGB	98, 104, 145
RGB Percent	38%, 41%, 57%
CMY	0.6157, 0.5921, 0.4314
CMYK	0.32, 0.28, 0.00, 0.43
HSL	232°, 19%, 48%
HSV	232°, 32%, 57%
XYZ	15.0983, 14.5417, 28.7993
YIQ	106.8800, -16.7370, 11.4790

Conversions

Conversions Part 2

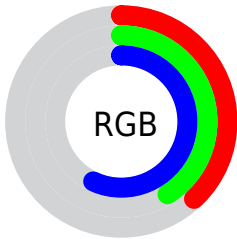
Format	Color
R_{YB}	98, 103, 145
Decimal	6449297
CIE _{Lab}	45.00, 7.86, -23.21
CIE _{LCh}	45, 24.504, 288.707
Yxy	14.5417, 0.2584, 0.2488
Android (android.graphics.Color)	4284639377 (0xFF626891)
YUV	106.8800, 18.7932, -7.7878
Hunter-Lab	38.1336, 3.9399, -18.0835

Details

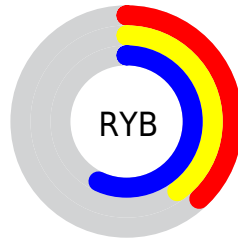
The CIELCh color `45, 24.504, 288.707` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `57, 23.203, 100.983`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 24.497, 288.790`, and `25, 24.419, 288.689` is the 20% darker color. If you saturate the color by 10%, you get `40, 32.651, 290.513`, and if you desaturate by 10%, it is `50, 16.650, 287.154`.

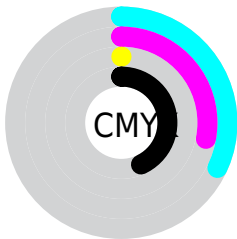
Distribution



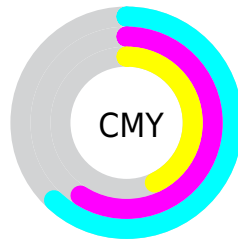
- Red (38%)
- Green (41%)
- Blue (57%)



- Red (38%)
- Yellow (40%)
- Blue (57%)



- Cyan (32%)
- Magenta (28%)
- Yellow (0%)
- Black (43%)





- Cyan (62%)
- Magenta (59%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.504, 288.707 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, 24.504, 288.707 by changing the saturation by 10% instead.


 45, 24.504,
288.707


 45, 24.504,
288.707


 100, 24.504,
288.707


 35, 24.504,
288.707

 65, 24.504,
288.707


 25, 24.504,
288.707

 75, 24.504,
288.707

 15, 24.504,
288.707

 85, 24.504,
288.707

 5, 24.504, 288.707

 95, 24.504,
288.707

 0, 24.504, 288.707

 45, 24.504,

 45, 24.504,

288.707

40, 32.651,
290.513

36, 41.110,
292.593

31, 49.866,
294.940

27, 58.822,
297.493

23, 67.689,
300.109

20, 75.855,
302.553

18, 81.083,
304.025

288.707

50, 16.650,
287.154

54, 9.070, 285.827

59, 1.740, 284.729

64, 5.357, 103.675

68, 12.236,
102.837

73, 18.910,
102.103

77, 25.392,
101.462

82, 31.690,
100.898

86, 37.816,

Harmonies

Complementary

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



45, 24.504, 288.707



57, 23.203, 100.983

Rectangle

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



45, 24.504, 288.707



45, 24.504, 338.707



45, 24.504, 108.707



45, 24.504, 158.707

Sweetspot

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



45, 24.503, 288.707



71, 9.027, 285.562



57, 17.404, 185.818



36, 6.151, 285.711



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 24.503, 288.707



54, 37.043, 290.018



45, 28.879, 306.187



28, 4.054, 285.441



16, 76.683, 303.890



0, 2.701, 284.426

Inverse Universe

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



47, 20.416, 12.326



57, 30.993, 13.478



58, 27.260, 122.619



28, 3.287, 9.615



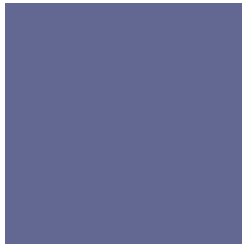
27, 59.948, 32.968



0, 2.163, 8.913

Previews

White Background



This preview shows how the CIE LCh color 45, 24.504, 288.707 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, 24.504, 288.707 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, 24.504, 288.707

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.504, 288.707.



This preview shows how white text looks on a background with the CIELCh color 45, 24.504, 288.707.

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

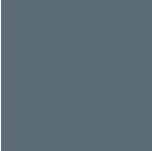
45, 24.504, 288.707

Protanopia

45, 24.615, 284.839

Deuteranopia

45, 23.993, 285.286



Tritanopia
45, 8.265, 239.570

Trichromacy



Original Color
45, 24.504, 288.707

Protanomaly
45, 24.577, 285.592

Deuteranomaly
45, 23.958, 286.069

Tritanomaly
45, 13.260, 270.890

Monochromacy



Original Color
45, 24.504, 288.707

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 8.970, 286.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.504, 288.707 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(98, 104, 145)` looks like.

```
.text, #text, p{  
    color:rgb(98, 104, 145)  
}
```

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(98, 104, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 104, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.504, 288.707 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(98, 104, 145) }
```

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

```
.border{ border-color:rgb(98, 104, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 104, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 104, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 104, 145);  
box-shadow:4px 4px 4px 4px rgb(98, 104,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.504, 288.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 104, 145) }
```

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

```
.background{ background-color: rgb(98, 104,  
145) }
```

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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