

Converting Colors

CIELCh(45, 24.545, 304.513)

Have a look what the booklet for
CIELCh(45, 24.545, 304.513)
contains.

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Color

CIELCh(45, 24.474, 304.507)

Conversions

Conversions Part 1

Format	Color
Hex	71648C
RGB	113, 100, 140
RGB Percent	44%, 39%, 55%
CMY	0.5565, 0.6075, 0.4506
CMYK	0.19, 0.29, 0.00, 0.45
HSL	260°, 17%, 47%
HSV	260°, 29%, 55%
XYZ	16.1253, 14.5417, 26.8005
YIQ	108.4470, -5.0920, 15.1960

Conversions

Conversions Part 2

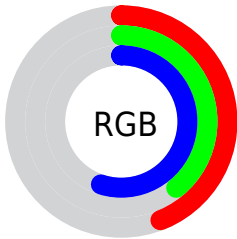
Format	Color
RYB	113, 100, 140
Decimal	7431308
CIELab	45.00, 13.86, -20.17
CIELCh	45, 24.474, 304.507
Yxy	14.5417, 0.2806, 0.2530
Android (android.graphics.Color)	4285621388 (0xFF71648C)
YUV	108.4470, 15.5556, 3.9930
Hunter-Lab	38.1336, 8.7471, -14.9758

Details

The CIELCh color `45, 24.474, 304.507` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `56, 23.206, 121.193`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 24.542, 304.117`, and `25, 24.834, 304.421` is the 20% darker color. If you saturate the color by 10%, you get `40, 33.556, 305.265`, and if you desaturate by 10%, it is `50, 15.644, 303.817`.

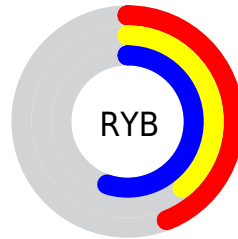
Distribution



Red (44%)

Green (39%)

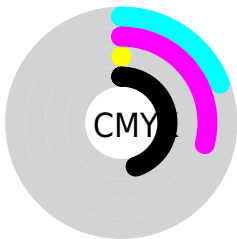
Blue (55%)



Red (44%)

Yellow (39%)

Blue (55%)

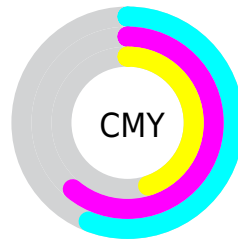


Cyan (19%)

Magenta (29%)

Yellow (0%)

Black (45%)



Cyan (56%)


Magenta (61%)

Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.474, 304.507 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, 24.474, 304.507 by changing the saturation by 10% instead.


 45, 24.474,
304.507


 45, 24.474,
304.507


 100, 24.474,
304.507


 35, 24.474,
304.507

 65, 24.474,
304.507


 25, 24.474,
304.507

 75, 24.474,
304.507

 15, 24.474,
304.507

 85, 24.474,
304.507

 5, 24.474, 304.507

 95, 24.474,
304.507

 0, 24.474, 304.507

 45, 24.474,

 45, 24.474,

304.507

40, 33.556,
305.265

36, 42.827,
306.079

31, 52.140,
306.915

27, 61.218,
307.712

24, 69.580,
308.370

21, 76.516,
308.744

18, 81.784,
308.841

18, 82.567,
308.882

304.507

50, 15.644,
303.817

54, 7.095, 303.200

59, 1.168, 122.702

64, 9.154, 122.194

68, 16.873,
121.778

73, 24.340,
121.419

77, 31.569,
121.108

82, 38.574,
120.840

86, 45.369,

Harmonies

Complementary

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



45, 24.474, 304.507



56, 23.206, 121.193

Rectangle

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



45, 24.474, 304.507



45, 24.474, 354.507



45, 24.474, 124.507



45, 24.474, 174.507

Sweetspot

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



45, 24.473, 304.507



69, 9.211, 303.237



52, 12.052, 236.508



35, 6.465, 303.315



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, 24.473, 304.507



54, 36.274, 304.966



47, 26.731, 320.546



27, 4.618, 303.234



16, 79.294, 308.932



0, 2.113, 302.736

Inverse Universe

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



47, 22.427, 337.360



58, 32.881, 337.862



55, 26.427, 137.840



27, 4.331, 335.896



29, 56.231, 346.099



0, 1.995, 335.312

Previews

White Background



This preview shows how the CIELCh color 45, 24.474, 304.507 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, 24.474, 304.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

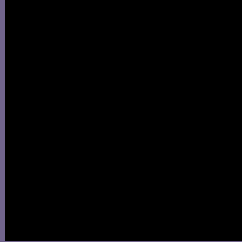
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 24.474, 304.507

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.474, 304.507.



This preview shows how white text looks on a background with the CIELCh color 45, 24.474, 304.507.

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, 24.474, 304.507

Protanopia

45, 23.409, 284.968

Deuteranopia

45, 20.341, 286.981



Tritanopia
45, 4.948, 304.924

Trichromacy



Original Color
45, 24.474, 304.507

Protanomaly
45, 23.899, 292.608

Deuteranomaly
45, 21.535, 294.081

Tritanomaly
45, 12.314, 304.546

Monochromacy



Original Color
45, 24.474, 304.507

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.519, 301.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.474, 304.507 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(113, 100, 140)` looks like.

```
.text, #text, p{  
    color:rgb(113, 100, 140)  
}
```

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(113, 100, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 100, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.474, 304.507 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(113, 100, 140) }
```

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

```
.border{ border-color:rgb(113, 100, 140) }
```

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

Here you see how a box with a 4 pixel rgb(113, 100, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 100, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 100, 140);  
box-shadow:4px 4px 4px 4px rgb(113, 100,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.474, 304.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 100, 140) }
```

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

```
.background{ background-color: rgb(113,  
100, 140) }
```

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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