

Converting Colors

CIELCh(45, 24.536, 289.640)

Have a look what the booklet for
CIELCh(45, 24.536, 289.640)
contains.

CIELCh(45, 24.485, 289.491)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 24.485, 289.491)

Conversions

Conversions Part 1

Format	Color
Hex	636891
RGB	99, 104, 145
RGB Percent	39%, 41%, 57%
CMY	0.6125, 0.5929, 0.4322
CMYK	0.32, 0.28, 0.00, 0.43
HSL	233°, 19%, 48%
HSV	233°, 32%, 57%
XYZ	15.1503, 14.5417, 28.7135
YIQ	107.1790, -16.1410, 11.6910

Conversions

Conversions Part 2

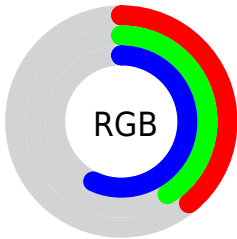
Format	Color
R_{YB}	99, 104, 145
Decimal	6514833
CIE _{Lab}	45.00, 8.17, -23.08
CIE _{LCh}	45, 24.485, 289.491
Yxy	14.5417, 0.2594, 0.2490
Android (android.graphics.Color)	4284704913 (0xFF636891)
YUV	107.1790, 18.6458, -7.1730
Hunter-Lab	38.1336, 4.1832, -17.9501

Details

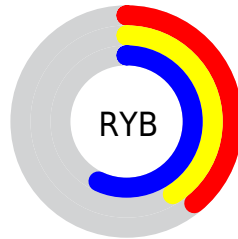
The CIELCh color $45, 24.485, 289.491$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 23.127, 102.064$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 24.483, 289.567$, and $25, 24.393, 289.435$ is the 20% darker color. If you saturate the color by 10%, you get $40, 32.800, 291.257$, and if you desaturate by 10%, it is $50, 16.476, 287.973$.

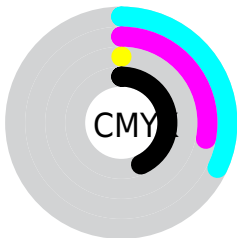
Distribution



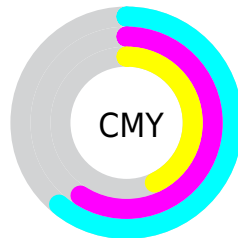
- Red (39%)
- Green (41%)
- Blue (57%)



- Red (39%)
- Yellow (41%)
- Blue (57%)



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




- Cyan (61%)
- Magenta (59%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.485, 289.491 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, 24.485, 289.491 by changing the saturation by 10% instead.


 45, 24.485,
289.491


 45, 24.485,
289.491


 100, 24.485,
289.491


 35, 24.485,
289.491

 65, 24.485,
289.491


 25, 24.485,
289.491

 75, 24.485,
289.491

 15, 24.485,
289.491

 85, 24.485,
289.491

 5, 24.485, 289.491

 95, 24.485,
289.491

 0, 24.485, 289.491

 45, 24.485,

 45, 24.485,

289.491

289.491

40, 32.800,
291.257

50, 16.476,
287.973

36, 41.438,
293.292

55, 8.754, 286.677

31, 50.379,
295.586

59, 1.296, 285.620

64, 5.919, 104.581

27, 59.509,
298.075

69, 12.906,
103.762

23, 68.503,
300.613

73, 19.680,
103.049

20, 76.689,
302.957

78, 26.253,
102.425

17, 82.191,
304.445

82, 32.635,
101.879

87, 38.838,

Harmonies

Complementary

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



45, 24.485, 289.491



58, 23.127, 102.064

Rectangle

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



45, 24.485, 289.491



45, 24.485, 339.491



45, 24.485, 109.491



45, 24.485, 159.491

Sweetspot

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



45, 24.484, 289.491



71, 9.215, 286.494



57, 16.932, 187.309



36, 6.279, 286.641



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, 24.484, 289.491



54, 36.835, 290.706



45, 28.294, 306.699



28, 4.138, 286.374



16, 77.846, 304.325



0, 2.756, 285.374

Inverse Universe

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



47, 19.933, 13.682



57, 30.139, 14.746



58, 26.784, 123.298



28, 3.274, 11.110



27, 60.665, 34.096



0, 2.152, 10.431

Previews

White Background



This preview shows how the CIELCh color 45, 24.485, 289.491 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, 24.485, 289.491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

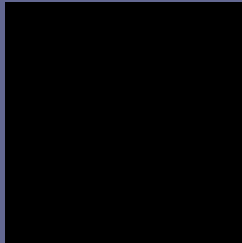
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 24.485, 289.491

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.485, 289.491.



This preview shows how white text looks on a background with the CIELCh color 45, 24.485, 289.491.

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, 24.485, 289.491

Protanopia

45, 24.615, 284.839

Deuteranopia

45, 23.993, 285.286



Tritanopia
45, 7.994, 241.282

Trichromacy



Original Color
45, 24.485, 289.491

Protanomaly
45, 24.543, 286.352

Deuteranomaly
45, 23.958, 286.069

Tritanomaly
45, 13.149, 272.349

Monochromacy



Original Color
45, 24.485, 289.491

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, 24.485, 289.491 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(99, 104, 145)` looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 104, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 104, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.485, 289.491 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(99, 104, 145) }
```

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

```
.border{ border-color:rgb(99, 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(99, 104, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 104, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 104, 145);  
box-shadow:4px 4px 4px 4px rgb(99, 104,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.485, 289.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 104, 145) }
```

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

```
.background{ background-color: rgb(99, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor