

Converting Colors

CIELCh(45, 48.218, 278.296)

Have a look what the booklet for
CIELCh(45, 48.218, 278.296)
contains.

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Color

CIELCh(45, 48.264, 278.459)

Conversions

Conversions Part 1

Format	Color
Hex	266BBA
RGB	38, 107, 186
RGB Percent	15%, 42%, 73%
CMY	0.8526, 0.5792, 0.2693
CMYK	0.80, 0.42, 0.00, 0.27
HSL	212°, 66%, 44%
HSV	212°, 80%, 73%
XYZ	14.9716, 14.5417, 48.6619
YIQ	95.3750, -66.4830, 9.9410

Conversions

Conversions Part 2

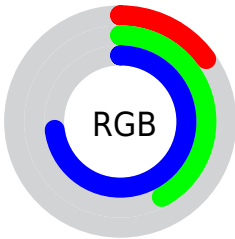
Format	Color
R_{YB}	38, 85, 186
Decimal	2517946
CIE _{Lab}	45.00, 7.10, -47.74
CIE _{LCh}	45, 48.264, 278.459
Yxy	14.5417, 0.1915, 0.1860
Android (android.graphics.Color)	4280708026 (0xFF266BBA)
YUV	95.3750, 44.6781, -50.3179
Hunter-Lab	38.1336, 3.3469, -48.9659

Details

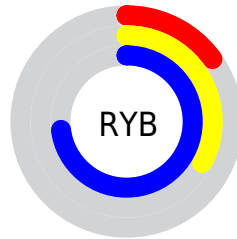
The CIELCh color **45, 48.264, 278.459** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **55, 56.173, 67.837**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 48.344, 278.572**, and **27, 46.378, 286.259** is the 20% darker color. If you saturate the color by 10%, you get **42, 54.350, 282.686**, and if you desaturate by 10%, it is **48, 42.295, 274.571**.

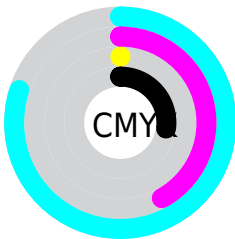
Distribution



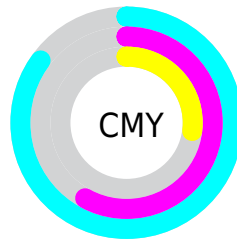
- Red (15%)
- Green (42%)
- Blue (73%)



- Red (15%)
- Yellow (33%)
- Blue (73%)



- Cyan (80%)
- Magenta (42%)
- Yellow (0%)
- Black (27%)





- Cyan (85%)
- Magenta (58%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 48.264, 278.459 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, 48.264, 278.459 by changing the saturation by 10% instead.


 45, 48.264,
278.459

 45, 48.264,
278.459


 100, 48.264,
278.459

 35, 48.264,
278.459

 65, 48.264,
278.459

 25, 48.264,
278.459

 75, 48.264,
278.459

 15, 48.264,
278.459

 85, 48.264,
278.459

 5, 48.264, 278.459

 95, 48.264,
278.459

 0, 48.264, 278.459

 45, 48.264,

 45, 48.264,

278.459

■ 42, 54.350,
282.686

■ 39, 60.631,
286.955

■ 39, 60.737,
287.020

278.459

■ 48, 42.295,
274.571

■ 52, 36.370,
271.119

■ 56, 30.426,
268.129

■ 60, 24.430,
265.578

■ 64, 18.371,
263.420

■ 68, 12.253,
261.600

■ 72, 6.092, 260.079

■ 76, 0.095, 75.295

Harmonies

Complementary

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



45, 48.264, 278.459



55, 56.173, 67.837

Rectangle

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



45, 48.264, 278.459



45, 48.264, 328.459



45, 48.264, 98.459



45, 48.264, 148.459

Sweetspot

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



45, 48.264, 278.460



84, 18.324, 262.391



67, 59.988, 154.305



43, 12.675, 263.058



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



45, 48.264, 278.460



51, 72.060, 286.069



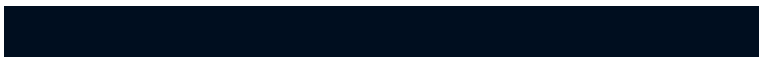
28, 91.343, 303.885



38, 3.547, 260.015



33, 53.100, 286.434



4, 11.916, 270.863

Inverse Universe

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



43, 61.991, 357.453



52, 80.663, 4.061



73, 70.257, 104.319



37, 4.878, 346.120



34, 59.113, 4.397



3, 13.717, 353.437

Previews

White Background



This preview shows how the CIE LCh color 45, 48.264, 278.459 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, 48.264, 278.459 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, 48.264, 278.459

Background



This preview shows how black text looks on a background with the CIELCh color 45, 48.264, 278.459.




This preview shows how white text looks on a background with the CIELCh color 45, 48.264, 278.459.

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





Tritanopia
45, 27.448, 206.762

Trichromacy



Original Color
45, 48.237, 278.591

Protanomaly
45, 47.632, 282.822

Deuteranomaly
45, 48.264, 278.459

Tritanomaly
45, 29.251, 242.189

Monochromacy



Original Color
45, 48.237, 278.591

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 19.161, 266.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 48.264, 278.459 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(38, 107, 186)` looks like.

```
.text, #text, p{  
    color:rgb(38, 107, 186)  
}
```

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(38, 107, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 107, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 48.264, 278.459 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(38, 107, 186) }
```

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

```
.border{ border-color:rgb(38, 107, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 107, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 107, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 107, 186);  
box-shadow:4px 4px 4px 4px rgb(38, 107,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 48.264, 278.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 107, 186) }
```

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

```
.background{ background-color: rgb(38, 107,  
186) }
```

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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