

Converting Colors

CIELCh(45, 67.422, 286.747)

Have a look what the booklet for
CIELCh(45, 67.422, 286.747)
contains.

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Color

CIELCh(45, 67.422, 286.747)

Conversions

Conversions Part 1

Format	Color
Hex	0067D8
RGB	0, 103, 216
RGB Percent	0%, 40%, 85%
CMY	1.0000, 0.5976, 0.1548
CMYK	1.00, 0.52, 0.00, 0.15
HSL	211°, 100%, 42%
HSV	211°, 100%, 85%
XYZ	17.1171, 14.5417, 66.5553
YIQ	85.0850, -97.6610, 13.3070

Conversions

Conversions Part 2

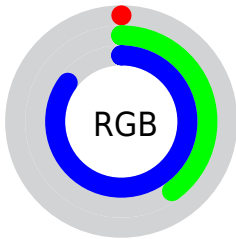
Format	Color
RYB	0, 70, 216
Decimal	26584
CIELab	45.00, 19.43, -64.56
CIELCh	45, 67.422, 286.747
Yxy	14.5417, 0.1743, 0.1481
Android (android.graphics.Color)	4278216664 (0xFF0067D8)
YUV	85.0850, 64.5411, -74.6195
Hunter-Lab	38.1336, 13.3899, -76.7865

Details

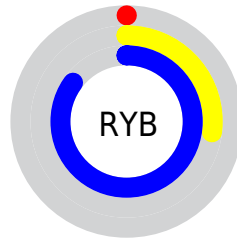
The CIELCh color **45, 67.422, 286.747** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **58, 74.525, 62.188**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 57.394, 283.291**, and **28, 65.061, 294.457** is the 20% darker color. If you saturate the color by 10%, you get **45, 67.409, 286.812**, and if you desaturate by 10%, it is **48, 60.470, 282.435**.

Distribution



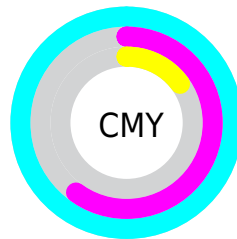
- Red (0%)
- Green (40%)
- Blue (85%)



- Red (0%)
- Yellow (27%)
- Blue (85%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (15%)




- Cyan (100%)
- Magenta (60%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 67.422, 286.747 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, 67.422, 286.747 by changing the saturation by 10% instead.


 45, 67.422,
286.747


 45, 67.422,
286.747


 100, 67.422,
286.747


 35, 67.422,
286.747

 65, 67.422,
286.747


 25, 67.422,
286.747

 75, 67.422,
286.747

 15, 67.422,
286.747

 85, 67.422,
286.747

 5, 67.422, 286.747

 95, 67.422,
286.747

 0, 67.422, 286.747

 45, 67.422,

 45, 67.422,

286.747

286.747

■ 45, 67.409,
286.812

■ 48, 60.470,
282.435

■ 52, 53.749,
278.113

■ 56, 47.158,
274.129

■ 60, 40.607,
270.593

■ 64, 34.024,
267.535

■ 68, 27.369,
264.932

■ 73, 20.627,
262.734

■ 77, 13.807,
260.887

Harmonies

Complementary

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



45, 67.422, 286.747



58, 74.525, 62.188

Rectangle

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



45, 67.422, 286.747



45, 67.422, 336.747



45, 67.422, 106.747



45, 67.422, 156.747

Sweetspot

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



45, 67.409, 286.812



85, 23.639, 262.792



76, 77.482, 149.742



43, 16.095, 263.686



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 67.409, 286.812



53, 77.288, 287.258



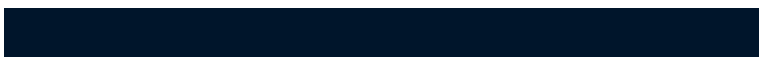
27, 117.788, 306.328



43, 3.912, 259.266



36, 55.771, 286.059



6, 17.792, 275.102

Inverse Universe

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



46, 74.405, 4.803



55, 84.449, 5.291



83, 85.384, 103.896



42, 5.443, 345.718



36, 62.613, 4.002



5, 23.300, 355.863

Previews

White Background



This preview shows how the CIELCh color 45, 67.422, 286.747 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, 67.422, 286.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

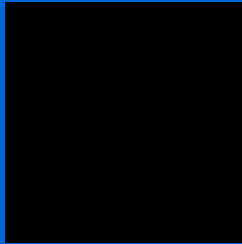
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 67.422, 286.747

Background



This preview shows how black text looks on a background with the CIELCh color 45, 67.422, 286.747.



This preview shows how white text looks on a background with the CIELCh color 45, 67.422, 286.747.

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, 67.422, 286.747

Protanopia

45, 67.344, 287.689

Deuteranopia

45, 48.869, 275.114



Tritanopia
45, 27.517, 205.432

Trichromacy



Original Color
45, 67.422, 286.747

Protanomaly
45, 67.409, 287.357

Deuteranomaly
45, 55.247, 280.053

Tritanomaly
44, 33.602, 253.786

Monochromacy



Original Color
45, 67.422, 286.747

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 26.919, 269.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 67.422, 286.747 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(0, 103, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 216)  
}
```

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(0, 103, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 67.422, 286.747 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(0, 103, 216) }
```

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

```
.border{ border-color:rgb(0, 103, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 67.422, 286.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 216) }
```

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

```
.background{ background-color: rgb(0, 103,  
216) }
```

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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