

Converting Colors

CIELCh(45, 52.568, 282.026)

Have a look what the booklet for
CIELCh(45, 52.568, 282.026)
contains.

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Color

CIELCh(45, 52.527, 281.916)

Conversions

Conversions Part 1

Format	Color
Hex	286AC1
RGB	40, 106, 193
RGB Percent	16%, 42%, 76%
CMY	0.8413, 0.5855, 0.2445
CMYK	0.79, 0.45, 0.00, 0.24
HSL	214°, 65%, 46%
HSV	214°, 79%, 76%
XYZ	15.6033, 14.5417, 52.2366
YIQ	96.1840, -67.2630, 13.0650

Conversions

Conversions Part 2

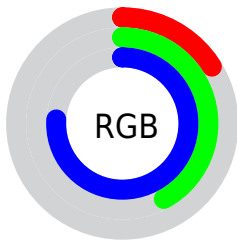
Format	Color
R _Y B	40, 86, 193
Decimal	2648769
CIE Lab	45.00, 10.85, -51.40
CIE LCh	45, 52.527, 281.916
Yxy	14.5417, 0.1894, 0.1765
Android (android.graphics.Color)	4280838849 (0xFF286AC1)
YUV	96.1840, 47.7303, -49.2734
Hunter-Lab	38.1336, 6.3041, -54.5238

Details

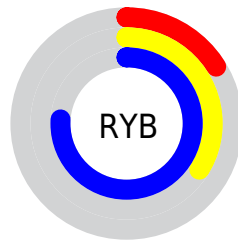
The CIELCh color **45, 52.527, 281.916** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **59, 57.262, 71.577**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 52.358, 281.674**, and **27, 51.254, 289.043** is the 20% darker color. If you saturate the color by 10%, you get **41, 59.489, 285.963**, and if you desaturate by 10%, it is **49, 45.731, 278.168**.

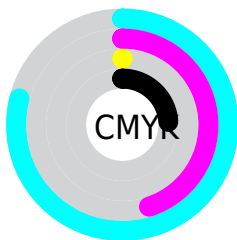
Distribution



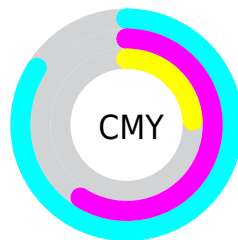
- Red (16%)
- Green (42%)
- Blue (76%)



- Red (16%)
- Yellow (34%)
- Blue (76%)



- Cyan (79%)
- Magenta (45%)
- Yellow (0%)
- Black (24%)





- Cyan (84%)
- Magenta (59%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 52.527, 281.916 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, 52.527, 281.916 by changing the saturation by 10% instead.


 45, 52.527,
281.916


 45, 52.527,
281.916


 100, 52.527,
281.916


 35, 52.527,
281.916

 65, 52.527,
281.916


 25, 52.527,
281.916

 75, 52.527,
281.916

 15, 52.527,
281.916

 85, 52.527,
281.916

 5, 52.527, 281.916

 95, 52.527,
281.916

 0, 52.527, 281.916

 45, 52.527,

 45, 52.527,

281.916

■ 41, 59.489,
285.963

■ 38, 66.643,
290.052

■ 38, 67.372,
290.433

281.916

■ 49, 45.731,
278.168

■ 53, 39.045,
274.820

■ 57, 32.413,
271.905

■ 61, 25.797,
269.406

■ 65, 19.180,
267.281

■ 70, 12.560,
265.481

■ 74, 5.946, 263.969

■ 78, 0.651, 82.138

Harmonies

Complementary

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



45, 52.527, 281.916



59, 57.262, 71.577

Rectangle

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



45, 52.527, 281.916



45, 52.527, 331.916



45, 52.527, 101.916



45, 52.527, 151.916

Sweetspot

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



45, 52.527, 281.917



85, 19.604, 266.412



69, 58.167, 157.194



44, 13.467, 267.082



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



45, 52.527, 281.917



51, 78.837, 289.080



30, 92.606, 304.307



39, 3.764, 264.020



31, 58.053, 289.838



4, 13.807, 274.665

Inverse Universe

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



44, 62.638, 0.435



54, 82.344, 7.455



75, 71.826, 107.000



38, 4.861, 348.459



34, 59.790, 8.301



3, 15.281, 356.532

Previews

White Background



This preview shows how the CIE LCh color 45, 52.527, 281.916 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, 52.527, 281.916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

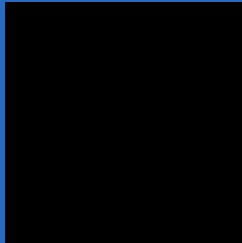
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 52.527, 281.916

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.527, 281.916.



This preview shows how white text looks on a background with the CIELCh color 45, 52.527, 281.916.

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, 52.551, 281.791

Protanopia
45, 52.041, 286.556

Deuteranopia
45, 50.972, 276.979



Tritanopia
45, 27.448, 206.762

Trichromacy



Original Color
45, 52.551, 281.791

Protanomaly
45, 52.242, 284.577

Deuteranomaly
45, 51.900, 278.648

Tritanomaly
45, 29.804, 244.488

Monochromacy



Original Color
45, 52.551, 281.791

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 20.077, 269.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.527, 281.916 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(40, 106, 193)` looks like.

```
.text, #text, p{  
    color:rgb(40, 106, 193)  
}
```

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(40, 106, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 106, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.527, 281.916 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(40, 106, 193) }
```

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

```
.border{ border-color:rgb(40, 106, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 106, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 106, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 106, 193);  
box-shadow:4px 4px 4px 4px rgb(40, 106,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.527, 281.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 106, 193) }
```

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

```
.background{ background-color: rgb(40, 106,  
193) }
```

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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