

Converting Colors

CIELCh(45, 55.846, 281.438)

Have a look what the booklet for
CIELCh(45, 55.846, 281.438)
contains.

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Color

CIELCh(45, 55.659, 281.371)

Conversions

Conversions Part 1

Format	Color
Hex	126AC6
RGB	18, 106, 198
RGB Percent	7%, 42%, 78%
CMY	0.9280, 0.5839, 0.2231
CMYK	0.91, 0.46, 0.00, 0.22
HSL	211°, 83%, 42%
HSV	211°, 91%, 78%
XYZ	15.6253, 14.5417, 55.4756
YIQ	90.1760, -81.9800, 9.9560

Conversions

Conversions Part 2

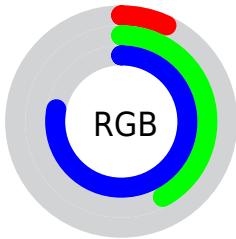
Format	Color
R_{YB}	18, 77, 198
Decimal	1206982
CIE _{Lab}	45.00, 10.97, -54.57
CIE _{LCh}	45, 55.659, 281.371
Yxy	14.5417, 0.1824, 0.1698
Android (android.graphics.Color)	4279397062 (0xFF126AC6)
YUV	90.1760, 53.1572, -63.2984
Hunter-Lab	38.1336, 6.4067, -59.5598

Details

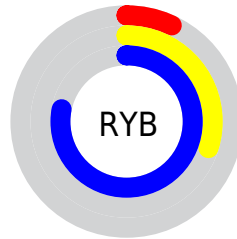
The CIELCh color **45, 55.659, 281.371** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **55, 65.928, 63.790**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 55.276, 281.131**, and **27, 53.646, 290.101** is the 20% darker color. If you saturate the color by 10%, you get **42, 61.454, 285.450**, and if you desaturate by 10%, it is **48, 49.602, 277.015**.

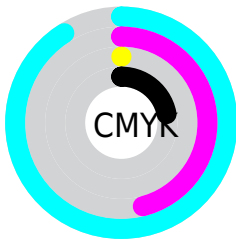
Distribution



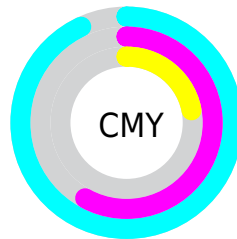
- Red (7%)
- Green (42%)
- Blue (78%)



- Red (7%)
- Yellow (30%)
- Blue (78%)



- Cyan (91%)
- Magenta (46%)
- Yellow (0%)
- Black (22%)





- Cyan (93%)
- Magenta (58%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 55.659, 281.371 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, 55.659, 281.371 by changing the saturation by 10% instead.


 45, 55.659,
281.371


 45, 55.659,
281.371


 100, 55.659,
281.371


 35, 55.659,
281.371

 65, 55.659,
281.371


 25, 55.659,
281.371

 75, 55.659,
281.371

 15, 55.659,
281.371

 85, 55.659,
281.371

 5, 55.659, 281.371

 95, 55.659,
281.371

 0, 55.659, 281.371

 45, 55.659,

 45, 55.659,

281.371

■ 42, 61.454,
285.450

281.371

■ 48, 49.602,
277.015

■ 52, 43.651,
273.005

■ 56, 37.717,
269.449

■ 59, 31.731,
266.377

■ 63, 25.654,
263.763

■ 67, 19.477,
261.560

■ 71, 13.209,
259.709

■ 75, 6.867, 258.166

Harmonies

Complementary

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



45, 55.659, 281.371



55, 65.928, 63.790

Rectangle

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



45, 55.659, 281.371



45, 55.659, 331.371



45, 55.659, 101.371



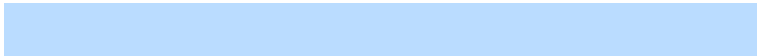
45, 55.659, 151.371

Sweetspot

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



45, 55.659, 281.373



86, 21.045, 260.908



71, 69.656, 151.080



44, 14.153, 261.588



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, 55.659, 281.373



54, 75.457, 286.162



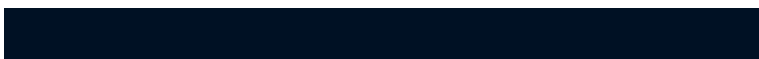
26, 105.809, 305.467



40, 3.643, 257.981



35, 52.468, 284.770



5, 14.212, 271.315

Inverse Universe

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



44, 68.638, 359.646



55, 84.518, 4.109



78, 78.143, 103.023



39, 5.161, 345.039



35, 60.626, 2.684



4, 17.743, 353.708

Previews

White Background



This preview shows how the CIE LCh color 45, 55.659, 281.371 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, 55.659, 281.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

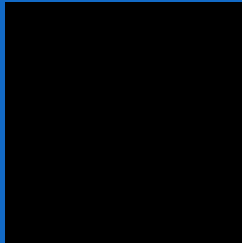
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 55.659, 281.371

Background



This preview shows how black text looks on a background with the CIELCh color 45, 55.659, 281.371.




This preview shows how white text looks on a background with the CIELCh color 45, 55.659, 281.371.

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, 55.659, 281.371

Protanomaly
45, 55.290, 284.240

Deuteranomaly
45, 52.515, 278.638

Tritanomaly
45, 30.733, 245.972

Monochromacy



Original Color
45, 55.659, 281.371

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 22.121, 265.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 55.659, 281.371 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(18, 106, 198)` looks like.

```
.text, #text, p{  
    color:rgb(18, 106, 198)  
}
```

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(18, 106, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 106, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 55.659, 281.371 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(18, 106, 198) }
```

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

```
.border{ border-color:rgb(18, 106, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 106, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 106, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 106, 198);  
box-shadow:4px 4px 4px 4px rgb(18, 106,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 55.659, 281.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 106, 198) }
```

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

```
.background{ background-color: rgb(18, 106,  
198) }
```

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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