

Converting Colors

CIELCh(44, 45.690, 285.922)

Have a look what the booklet for
CIELCh(44, 45.690, 285.922)
contains.

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Color

CIELCh(44, 45.716, 286.013)

Conversions

Conversions Part 1

Format	Color
Hex	4665B1
RGB	70, 101, 177
RGB Percent	27%, 40%, 69%
CMY	0.7246, 0.6032, 0.3050
CMYK	0.60, 0.43, 0.00, 0.31
HSL	223°, 43%, 49%
HSV	223°, 60%, 69%
XYZ	15.1722, 13.8382, 43.5791
YIQ	100.3950, -42.8720, 17.0640

Conversions

Conversions Part 2

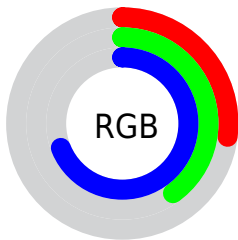
Format	Color
R_{YB}	70, 94, 177
Decimal	4613553
CIE _{Lab}	44.00, 12.61, -43.94
CIE _{LCh}	44, 45.716, 286.013
Yxy	13.8382, 0.2090, 0.1906
Android (android.graphics.Color)	4282803633 (0xFF4665B1)
YUV	100.3950, 37.7663, -26.6564
Hunter-Lab	37.1997, 7.7033, -43.4178

Details

The CIELCh color `44, 45.716, 286.013` is a dark color, and the websafe version is hex `3366CC`. A complement of this color would be `62, 43.947, 86.665`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 45.370, 285.748`, and `24, 45.627, 287.566` is the 20% darker color. If you saturate the color by 10%, you get `40, 54.013, 289.026`, and if you desaturate by 10%, it is `49, 37.662, 283.337`.

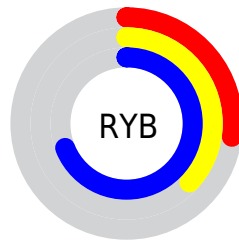
Distribution



Red (27%)

Green (40%)

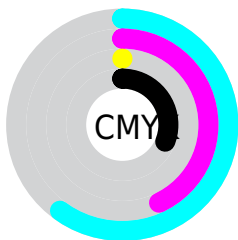
Blue (69%)



Red (27%)

Yellow (37%)

Blue (69%)

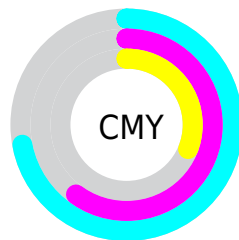


Cyan (60%)

Magenta (43%)

Yellow (0%)

Black (31%)



Cyan (72%)


Magenta (60%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 45.716, 286.013 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 44, 45.716, 286.013 by changing the saturation by 10% instead.


 44, 45.716,
286.013


 44, 45.716,
286.013


 100, 45.716,
286.013

 34, 45.716,
286.013

 64, 45.716,
286.013


 24, 45.716,
286.013

 74, 45.716,
286.013

 14, 45.716,
286.013

 84, 45.716,
286.013

 4, 45.716, 286.013

 94, 45.716,
286.013

 0, 45.716, 286.013

 44, 45.716,

 44, 45.716,

286.013

286.013

■ 40, 54.013,
289.026

■ 49, 37.662,
283.337

■ 35, 62.539,
292.301

■ 53, 29.831,
281.006

■ 32, 71.170,
295.691

■ 58, 22.194,
279.001

■ 28, 79.325,
298.769

■ 63, 14.729,
277.284

■ 67, 7.423, 275.821

■ 72, 0.267, 275.249

■ 77, 6.745, 93.399

■ 82, 13.616, 92.459

■ 86, 20.349, 91.629

Harmonies

Complementary

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



44, 45.716, 286.013



62, 43.947, 86.665

Rectangle

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



44, 45.716, 286.013



44, 45.716, 336.013



44, 45.716, 106.013



44, 45.716, 156.013

Sweetspot

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



44, 45.715, 286.014



81, 16.030, 276.963



66, 39.189, 169.176



41, 11.160, 277.410



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



44, 45.715, 286.014



50, 68.466, 289.940



38, 65.336, 303.960



35, 4.076, 275.683



24, 70.344, 298.374



2, 10.514, 278.961

Inverse Universe

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



45, 46.614, 5.735



54, 66.803, 9.613



69, 55.819, 114.189



35, 4.199, 357.516



32, 59.898, 21.147



2, 9.665, 1.477

Previews

White Background



This preview shows how the CIELCh color 44, 45.716, 286.013 looks on a white background.

Color Contrast Check

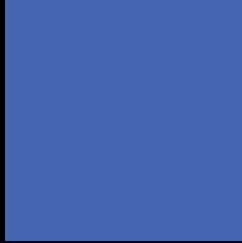
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 44, 45.716, 286.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

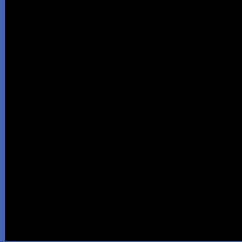
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 45.716, 286.013

Background



This preview shows how black text looks on a background with the CIELCh color 44, 45.716, 286.013.



This preview shows how white text looks on a background with the CIELCh color 44, 45.716, 286.013.

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


44, 45.716, 286.013

Protanopia

44, 45.685, 286.285

Deuteranopia

44, 43.554, 278.221



Tritanopia
44, 21.549, 211.863

Trichromacy



Original Color
44, 45.716, 286.013

Protanomaly
44, 45.685, 286.285

Deuteranomaly
44, 43.845, 280.473

Tritanomaly
44, 24.757, 251.986

Monochromacy



Original Color
44, 45.716, 286.013

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 17.182, 279.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 45.716, 286.013 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(70, 101, 177)` looks like.

```
.text, #text, p{  
    color:rgb(70, 101, 177)  
}
```

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(70, 101, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 101, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 45.716, 286.013 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(70, 101, 177) }
```

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

```
.border{ border-color:rgb(70, 101, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 101, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 101, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 101, 177);  
box-shadow:4px 4px 4px 4px rgb(70, 101,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 45.716, 286.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 101, 177) }
```

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

```
.background{ background-color: rgb(70, 101,  
177) }
```

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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