

Converting Colors

CIELCh(45, 23.643, 281.055)

Have a look what the booklet for
CIELCh(45, 23.643, 281.055)
contains.

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Color

CIELCh(45, 23.611, 281.013)

Conversions

Conversions Part 1

Format	Color
Hex	5B6A91
RGB	91, 106, 145
RGB Percent	36%, 42%, 57%
CMY	0.6436, 0.5848, 0.4319
CMYK	0.37, 0.27, 0.00, 0.43
HSL	223°, 23%, 46%
HSV	223°, 37%, 57%
XYZ	14.5450, 14.5417, 28.7769
YIQ	105.9610, -21.4590, 8.9490

Conversions

Conversions Part 2

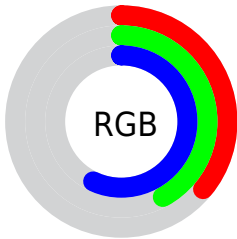
Format	Color
R_{YB}	91, 103, 145
Decimal	5991057
CIE _{Lab}	45.00, 4.51, -23.18
CIE _{LCh}	45, 23.611, 281.013
Yxy	14.5417, 0.2514, 0.2513
Android (android.graphics.Color)	4284181137 (0xFF5B6A91)
YUV	105.9610, 19.2462, -13.1208
Hunter-Lab	38.1336, 1.3502, -18.0487

Details

The CIELCh color $45, 23.611, 281.013$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 23.215, 90.759$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 23.660, 281.275$, and $25, 23.404, 281.110$ is the 20% darker color. If you saturate the color by 10%, you get $41, 30.307, 283.164$, and if you desaturate by 10%, it is $49, 17.080, 279.160$.

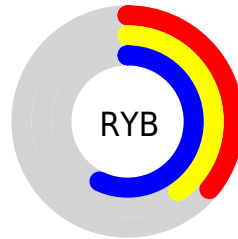
Distribution



Red (36%)

Green (42%)

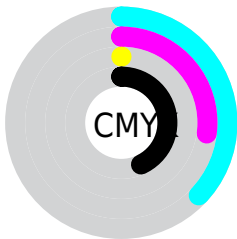
Blue (57%)



Red (36%)

Yellow (40%)

Blue (57%)

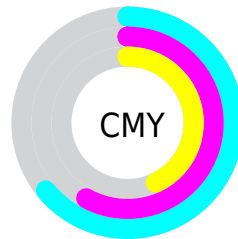


Cyan (37%)

Magenta (27%)

Yellow (0%)

Black (43%)



Cyan (64%)


Magenta (58%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.611, 281.013 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 45, 23.611, 281.013 by changing the saturation by 10% instead.


 45, 23.611,
281.013


 45, 23.611,
281.013


 100, 23.611,
281.013


 35, 23.611,
281.013

 65, 23.611,
281.013


 25, 23.611,
281.013

 75, 23.611,
281.013

 15, 23.611,
281.013

 85, 23.611,
281.013

 5, 23.611, 281.013

 95, 23.611,
281.013

 0, 23.611, 281.013

 45, 23.611,

 45, 23.611,

281.013

■ 41, 30.307,
283.164

■ 37, 37.191,
285.642

■ 33, 44.285,
288.448

■ 29, 51.586,
291.538

■ 26, 59.025,
294.799

■ 23, 66.406,
297.990

■ 22, 68.384,
298.762

281.013

■ 49, 17.080,
279.160

■ 53, 10.701,
277.572

■ 57, 4.461, 276.222

■ 61, 1.648, 94.905

■ 65, 7.630, 93.954

■ 69, 13.487, 93.066

■ 73, 19.224, 92.282

■ 77, 24.841, 91.589

■ 81, 30.343, 90.971

Harmonies

Complementary

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



45, 23.611, 281.013



55, 23.215, 90.759

Rectangle

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



45, 23.611, 281.013



45, 23.611, 331.013



45, 23.611, 101.013



45, 23.611, 151.013

Sweetspot

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



45, 23.610, 281.013



71, 8.404, 276.728



56, 21.703, 173.471



36, 5.635, 276.887



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 23.610, 281.013



54, 35.734, 282.860



42, 33.025, 301.673



28, 3.430, 276.459



20, 64.594, 298.546



1, 2.297, 275.312

Inverse Universe

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



45, 24.314, 1.793



54, 36.676, 3.258



58, 30.412, 116.231



28, 3.467, 358.294



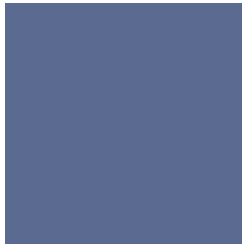
28, 54.813, 21.464



0, 2.298, 357.510

Previews

White Background



This preview shows how the CIELCh color 45, 23.611, 281.013 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 CIE LCh color 45, 23.611, 281.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

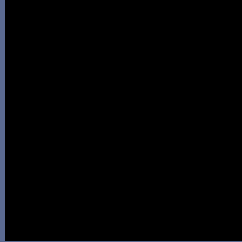
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

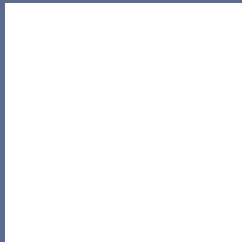
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 23.611, 281.013

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.611, 281.013.

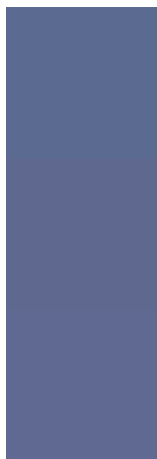


This preview shows how white text looks on a background with the CIELCh color 45, 23.611, 281.013.

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


45, 23.611, 281.013

Protanopia

45, 23.409, 284.968

Deuteranopia

45, 23.993, 285.286



Tritanopia
45, 10.604, 225.360

Trichromacy



Original Color
45, 23.611, 281.013

Protanomaly
45, 23.449, 284.170

Deuteranomaly
45, 24.032, 284.511

Tritanomaly
45, 13.557, 256.085

Monochromacy



Original Color
45, 23.611, 281.013

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 8.536, 278.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.611, 281.013 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(91, 106, 145)` looks like.

```
.text, #text, p{  
    color:rgb(91, 106, 145)  
}
```

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(91, 106, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 106, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.611, 281.013 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(91, 106, 145) }
```

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

```
.border{ border-color:rgb(91, 106, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 106, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 106, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 106, 145); box-shadow:4px 4px 4px 4px rgb(91, 106, 145) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.611, 281.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 106, 145) }
```

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

```
.background{ background-color: rgb(91, 106,  
145) }
```

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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