

Converting Colors

CIELCh(45, 29.732, 281.160)

Have a look what the booklet for
CIELCh(45, 29.732, 281.160)
contains.

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Color

CIELCh(45, 29.651, 281.239)

Conversions

Conversions Part 1

Format	Color
Hex	556A9B
RGB	85, 106, 155
RGB Percent	33%, 42%, 61%
CMY	0.6676, 0.5852, 0.3931
CMYK	0.45, 0.32, 0.00, 0.39
HSL	222°, 29%, 47%
HSV	222°, 45%, 61%
XYZ	14.7530, 14.5417, 32.9351
YIQ	105.3070, -28.2450, 10.7870

Conversions

Conversions Part 2

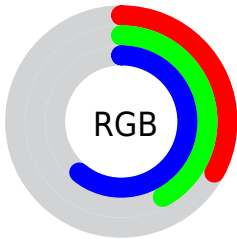
Format	Color
R _Y B	85, 101, 155
Decimal	5597851
CIE Lab	45.00, 5.78, -29.08
CIE LCh	45, 29.651, 281.239
Yxy	14.5417, 0.2371, 0.2337
Android (android.graphics.Color)	4283787931 (0xFF556A9B)
YUV	105.3070, 24.4986, -17.8092
Hunter-Lab	38.1336, 2.3237, -24.5139

Details

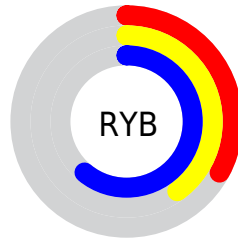
The CIELCh color $45, 29.651, 281.239$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 29.284, 87.978$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 29.842, 281.544$, and $25, 30.051, 281.520$ is the 20% darker color. If you saturate the color by 10%, you get $41, 36.619, 283.712$, and if you desaturate by 10%, it is $49, 22.852, 279.101$.

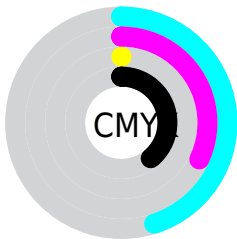
Distribution



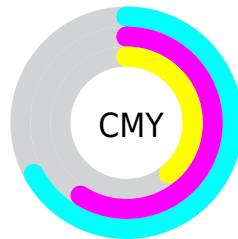
- Red (33%)
- Green (42%)
- Blue (61%)



- Red (33%)
- Yellow (40%)
- Blue (61%)



- Cyan (45%)
- Magenta (32%)
- Yellow (0%)
- Black (39%)





- Cyan (67%)
- Magenta (59%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 29.651, 281.239 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, 29.651, 281.239 by changing the saturation by 10% instead.


 45, 29.651,
281.239


 45, 29.651,
281.239


 100, 29.651,
281.239


 35, 29.651,
281.239

 65, 29.651,
281.239


 25, 29.651,
281.239

 75, 29.651,
281.239

 15, 29.651,
281.239

 85, 29.651,
281.239

 5, 29.651, 281.239

 95, 29.651,
281.239

 0, 29.651, 281.239

 45, 29.651,

 45, 29.651,

281.239

■ 41, 36.619,
283.712

■ 37, 43.783,
286.529

■ 33, 51.157,
289.662

■ 29, 58.710,
293.014

■ 26, 66.302,
296.404

■ 25, 69.884,
297.868

281.239

■ 49, 22.852,
279.101

■ 53, 16.202,
277.264

■ 58, 9.687, 275.692

■ 62, 3.298, 274.371

■ 66, 2.970, 93.082

■ 70, 9.119, 92.105

■ 74, 15.151, 91.224

■ 78, 21.066, 90.445

■ 82, 26.867, 89.756

Harmonies

Complementary

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



45, 29.651, 281.239



57, 29.284, 87.978

Rectangle

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



45, 29.651, 281.239



45, 29.651, 331.239



45, 29.651, 101.239



45, 29.651, 151.239

Sweetspot

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



45, 29.650, 281.239



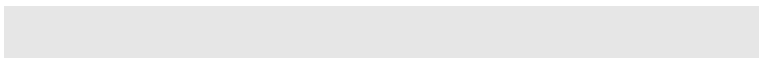
74, 11.032, 275.556



59, 27.980, 170.143



38, 7.691, 275.849



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



45, 29.650, 281.239



53, 44.377, 283.668



40, 42.845, 301.552



30, 3.543, 274.865



22, 64.456, 297.563



1, 3.822, 274.059

Inverse Universe

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



45, 31.530, 1.540



54, 46.611, 3.500



61, 38.443, 114.278



30, 3.713, 356.737



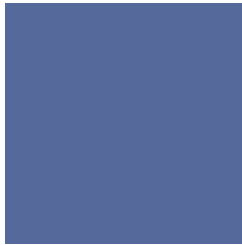
29, 55.802, 19.696



1, 3.932, 356.292

Previews

White Background



This preview shows how the CIELCh color 45, 29.651, 281.239 looks on a white background.

Color Contrast Check

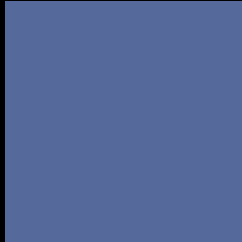
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.651, 281.239 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

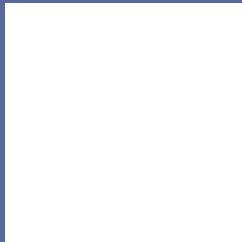
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 29.651, 281.239

Background



This preview shows how black text looks on a background with the CIELCh color 45, 29.651, 281.239.

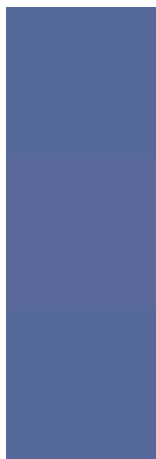


This preview shows how white text looks on a background with the CIELCh color 45, 29.651, 281.239.

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, 29.651, 281.239

Protanopia

45, 29.418, 284.697

Deuteranopia

45, 30.167, 282.762



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 29.651, 281.239

Protanomaly
45, 29.502, 283.540

Deuteranomaly
45, 30.167, 282.762

Tritanomaly
45, 16.950, 253.248

Monochromacy



Original Color
45, 29.651, 281.239

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 11.019, 277.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 29.651, 281.239 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(85, 106, 155)` looks like.

```
.text, #text, p{  
    color:rgb(85, 106, 155)  
}
```

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(85, 106, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 106, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 29.651, 281.239 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(85, 106, 155) }
```

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

```
.border{ border-color:rgb(85, 106, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 106, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 106, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 106, 155);  
box-shadow:4px 4px 4px 4px rgb(85, 106,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 29.651, 281.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 106, 155) }
```

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

```
.background{ background-color: rgb(85, 106,  
155) }
```

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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