

Converting Colors

CIELCh(45, 18.700, 267.613)

Have a look what the booklet for
CIELCh(45, 18.700, 267.613)
contains.

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Color

CIELCh(45, 18.700, 267.613)

Conversions

Conversions Part 1

Format	Color
Hex	556C89
RGB	85, 108, 137
RGB Percent	33%, 42%, 54%
CMY	0.6656, 0.5754, 0.4616
CMYK	0.38, 0.21, 0.00, 0.46
HSL	213°, 23%, 44%
HSV	213°, 38%, 54%
XYZ	13.6990, 14.5417, 25.8597
YIQ	104.4290, -23.0170, 4.1430

Conversions

Conversions Part 2

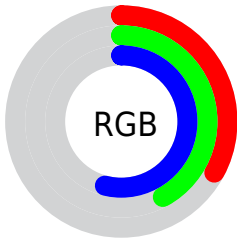
Format	Color
R _Y B	85, 101, 137
Decimal	5598345
CIE Lab	45.00, -0.78, -18.68
CIE LCh	45, 18.700, 267.613
Yxy	14.5417, 0.2532, 0.2688
Android (android.graphics.Color)	4283788425 (0xFF556C89)
YUV	104.4290, 16.0575, -17.0392
Hunter-Lab	38.1336, -2.6100, -13.5130

Details

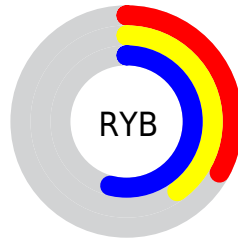
The CIELCh color $45, 18.700, 267.613$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $50, 19.988, 76.620$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.643, 267.426$, and $25, 18.581, 267.116$ is the 20% darker color. If you saturate the color by 10%, you get $42, 23.603, 269.968$, and if you desaturate by 10%, it is $48, 13.778, 265.605$.

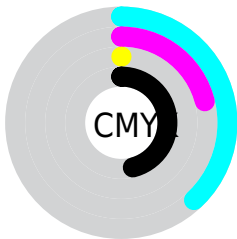
Distribution



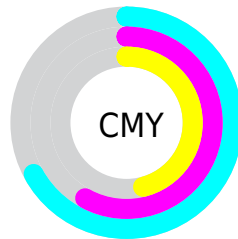
- Red (33%)
- Green (42%)
- Blue (54%)



- Red (33%)
- Yellow (40%)
- Blue (54%)



- Cyan (38%)
- Magenta (21%)
- Yellow (0%)
- Black (46%)





- Cyan (67%)
- Magenta (58%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.700, 267.613 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, 18.700, 267.613 by changing the saturation by 10% instead.


 45, 18.700,
267.613


 45, 18.700,
267.613


 100, 18.700,
267.613


 35, 18.700,
267.613

 65, 18.700,
267.613


 25, 18.700,
267.613

 75, 18.700,
267.613

 15, 18.700,
267.613


 85, 18.700,
267.613

 5, 18.700, 267.613

 95, 18.700,
267.613

 0, 18.700, 267.613

 45, 18.700,

 45, 18.700,

267.613

267.613

■ 42, 23.603,
269.968

■ 48, 13.778,
265.605

■ 39, 28.497,
272.716

■ 51, 8.842, 263.902

■ 36, 33.403,
275.883

■ 55, 3.900, 262.474

■ 58, 1.039, 80.923

■ 33, 38.360,
279.458

■ 61, 5.963, 80.035

■ 30, 43.414,
283.369

■ 64, 10.863, 79.115

■ 68, 15.730, 78.302

■ 28, 48.616,
287.362

■ 71, 20.557, 77.584

■ 27, 49.746,
288.137

■ 74, 25.338, 76.946

Harmonies

Complementary

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



45, 18.700, 267.613



50, 19.988, 76.620

Rectangle

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



45, 18.700, 267.613



45, 18.700, 317.613



45, 18.700, 87.613



45, 18.700, 137.613

Sweetspot

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



45, 18.699, 267.612



68, 6.741, 262.922



53, 24.024, 162.800



35, 4.512, 263.082



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 18.699, 267.612



55, 27.492, 269.491



39, 31.963, 296.483



27, 2.798, 262.640



26, 48.344, 287.987



1, 1.299, 261.416

Inverse Universe

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



43, 25.330, 350.709



52, 37.206, 351.826



56, 29.145, 108.900



27, 3.690, 347.612



27, 51.953, 6.107



0, 1.692, 346.886

Previews

White Background



This preview shows how the CIELCh color 45, 18.700, 267.613 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, 18.700, 267.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

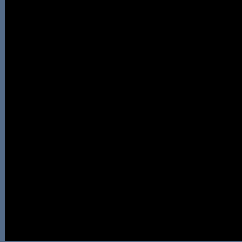
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

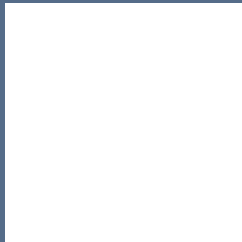
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 18.700, 267.613

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.700, 267.613.

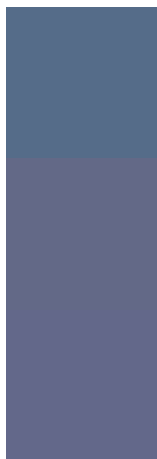


This preview shows how white text looks on a background with the CIELCh color 45, 18.700, 267.613.

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, 18.700, 267.613

Protanopia

45, 17.985, 285.766

Deuteranopia

45, 20.350, 287.986



Tritanopia
45, 12.002, 225.098

Trichromacy



Original Color
45, 18.700, 267.613

Protanomaly
45, 18.262, 279.225

Deuteranomaly
45, 19.411, 280.301

Tritanomaly
45, 13.298, 244.862

Monochromacy



Original Color
45, 18.700, 267.613

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 7.196, 265.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.700, 267.613 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, 108, 137)` looks like.

```
.text, #text, p{  
    color:rgb(85, 108, 137)  
}
```

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, 108, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 108, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.700, 267.613 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, 108, 137) }
```

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

```
.border{ border-color:rgb(85, 108, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 108, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 108, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 108, 137);  
box-shadow:4px 4px 4px 4px rgb(85, 108,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.700, 267.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 108, 137) }
```

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

```
.background{ background-color: rgb(85, 108,  
137) }
```

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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