

Converting Colors

CIELCh(45, 19.923, 218.790)

Have a look what the booklet for
CIELCh(45, 19.923, 218.790)
contains.

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Color

CIELCh(45, 19.923, 218.790)

Conversions

Conversions Part 1

Format	Color
Hex	38737F
RGB	56, 115, 127
RGB Percent	22%, 45%, 50%
CMY	0.7817, 0.5503, 0.5033
CMYK	0.56, 0.09, 0.00, 0.50
HSL	190°, 39%, 36%
HSV	190°, 56%, 50%
XYZ	11.5143, 14.5417, 22.1659
YIQ	98.7270, -39.0160, -8.7760

Conversions

Conversions Part 2

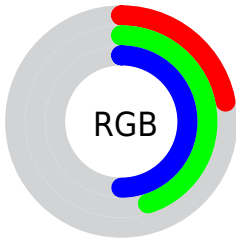
Format	Color
RYB	56, 88, 127
Decimal	3699583
CIELab	45.00, -15.53, -12.48
CIElCh	45, 19.923, 218.790
Yxy	14.5417, 0.2388, 0.3016
Android (android.graphics.Color)	4281889663 (0xFF38737F)
YUV	98.7270, 13.9386, -37.4716
Hunter-Lab	38.1336, -12.8362, -7.7699




Details

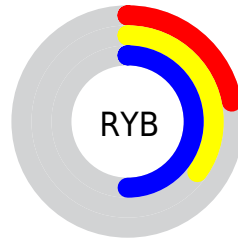
The CIELCh color **45, 19.923, 218.790** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 30.350, 37.540**, and the grayscale version is **42, 0.006, 296.813**.



A 20% lighter version of the original color is **65, 20.004, 219.307**, and **25, 18.599, 220.092** is the 20% darker color. If you saturate the color by 10%, you get **44, 22.119, 220.101**, and if you desaturate by 10%, it is **46, 17.231, 217.800**.

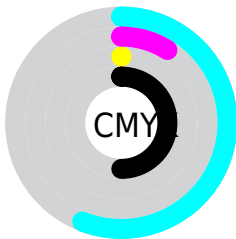
Distribution







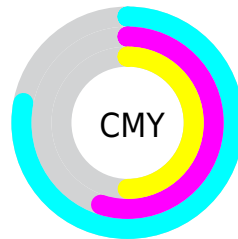
-  Red (22%)
-  Green (45%)
-  Blue (50%)






-  Red (22%)
-  Yellow (35%)
-  Blue (50%)



-  Cyan (56%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (50%)





-  Cyan (78%)
-  Magenta (55%)
-  Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.923, 218.790 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, 19.923, 218.790 by changing the saturation by 10% instead.


 45, 19.923,
218.790


 45, 19.923,
218.790


 100, 19.923,
218.790


 35, 19.923,
218.790

 65, 19.923,
218.790


 25, 19.923,
218.790

 75, 19.923,
218.790

 15, 19.923,
218.790

 85, 19.923,
218.790

 5, 19.923, 218.790

 95, 19.923,
218.790

 0, 19.923, 218.790

 45, 19.923,

 45, 19.923,

218.790

■ 44, 22.119,
220.101

■ 43, 23.791,
221.804

■ 42, 24.942,
223.960

■ 41, 25.657,
226.572

■ 41, 25.922,
227.611

218.790

■ 46, 17.231,
217.800

■ 48, 14.092,
217.079

■ 49, 10.565,
216.578

■ 50, 6.715, 216.260

■ 52, 2.600, 216.151

■ 54, 1.722, 35.676

■ 55, 6.204, 35.829

■ 57, 10.804, 35.909

■ 59, 15.488, 36.022

Harmonies

Complementary

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



45, 19.923, 218.790



36, 30.350, 37.540

Rectangle

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



45, 19.923, 218.790



45, 19.923, 268.790



45, 19.923, 38.790



45, 19.923, 88.790

Sweetspot

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



45, 19.923, 218.788



65, 8.820, 216.293



47, 44.004, 144.505



34, 5.917, 216.337



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 19.923, 218.788



56, 27.490, 220.496



34, 30.121, 281.315



26, 2.412, 216.150



41, 26.044, 227.634



0, 0.000, 0.000

Inverse Universe

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



35, 43.618, 332.907



43, 62.192, 333.733



45, 30.180, 83.945



25, 4.539, 329.964



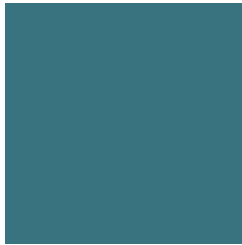
28, 60.838, 336.027



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 19.923, 218.790 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 45, 19.923, 218.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

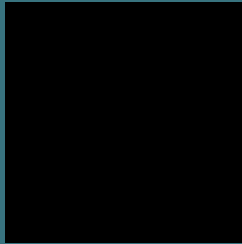
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

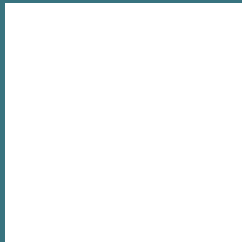
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 19.923, 218.790

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.923, 218.790.

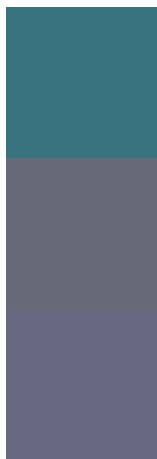


This preview shows how white text looks on a background with the CIELCh color 45, 19.923, 218.790.

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, 19.923, 218.790

Protanopia

45, 8.967, 288.965

Deuteranopia

45, 14.961, 293.684



Tritanopia
45, 19.930, 213.206

Trichromacy



Original Color
45, 19.923, 218.790

Protanomaly
45, 11.255, 242.612

Deuteranomaly
45, 13.871, 258.917

Tritanomaly
45, 19.982, 214.993

Monochromacy



Original Color
45, 19.923, 218.790

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 8.367, 215.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.923, 218.790 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(56, 115, 127)` looks like.

```
.text, #text, p{  
    color:rgb(56, 115, 127)  
}
```

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(56, 115, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 115, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.923, 218.790 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(56, 115, 127) }
```

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

```
.border{ border-color:rgb(56, 115, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 115, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 115, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 115, 127);  
box-shadow:4px 4px 4px 4px rgb(56, 115,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.923, 218.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 115, 127) }
```

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

```
.background{ background-color: rgb(56, 115,  
127) }
```

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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