

Converting Colors

CIELCh(45, 19.301, 197.287)

Have a look what the booklet for
CIELCh(45, 19.301, 197.287)
contains.

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Color

CIELCh(45, 19.245, 197.290)

Conversions

Conversions Part 1

Format	Color
Hex	3B7373
RGB	59, 115, 115
RGB Percent	23%, 45%, 45%
CMY	0.7670, 0.5475, 0.5475
CMYK	0.49, 0.00, 0.00, 0.55
HSL	180°, 32%, 34%
HSV	180°, 49%, 45%
XYZ	11.1215, 14.5417, 18.5598
YIQ	98.2560, -33.3760, -11.8720

Conversions

Conversions Part 2

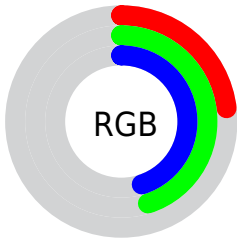
Format	Color
R_{YB}	59, 87, 115
Decimal	3896179
CIE _{Lab}	45.00, -18.38, -5.72
CIE _{LCh}	45, 19.245, 197.290
Yxy	14.5417, 0.2515, 0.3288
Android (android.graphics.Color)	4282086259 (0xFF3B7373)
YUV	98.2560, 8.2548, -34.4275
Hunter-Lab	38.1336, -14.6752, -2.1632

Details

The CIELCh color **45, 19.245, 197.290** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 26.855, 24.365**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 19.135, 197.798**, and **25, 19.188, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **45, 22.006, 196.993**, and if you desaturate by 10%, it is **46, 15.992, 197.641**.

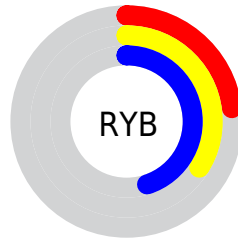
Distribution



Red (23%)

Green (45%)

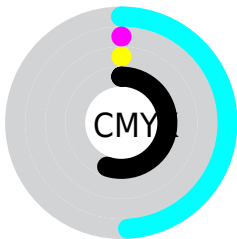
Blue (45%)



Red (23%)

Yellow (34%)

Blue (45%)

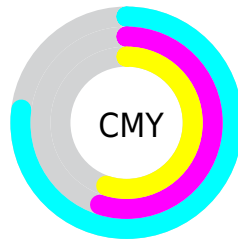


Cyan (49%)

Magenta (0%)

Yellow (0%)

Black (55%)



Cyan (77%)


Magenta (55%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.245, 197.290 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, 19.245, 197.290 by changing the saturation by 10% instead.


 45, 19.245,
197.290


 45, 19.245,
197.290


 100, 19.245,
197.290


 35, 19.245,
197.290

 65, 19.245,
197.290


 25, 19.245,
197.290

 75, 19.245,
197.290

 15, 19.245,
197.290

 85, 19.245,
197.290

 5, 19.245, 197.290

 95, 19.245,
197.290

 0, 19.245, 197.290

 45, 19.245,

 45, 19.245,

197.290

197.290

■ 45, 22.006,
196.993

■ 46, 15.992,
197.641

■ 44, 24.235,
196.758

■ 46, 12.306,
198.049

■ 44, 25.911,
196.583

■ 47, 8.251, 198.512

■ 44, 27.044,
196.465

■ 48, 3.896, 199.051

■ 49, 0.694, 18.947

■ 44, 27.801,
196.387

■ 50, 5.458, 19.961

■ 44, 27.911,
196.375

■ 51, 10.344, 20.563

■ 52, 15.309, 21.159

■ 53, 20.315, 21.757

Harmonies

Complementary

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



45, 19.245, 197.290



32, 26.855, 24.365

Rectangle

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



45, 19.245, 197.290



45, 19.245, 247.290



45, 19.245, 17.290



45, 19.245, 67.290

Sweetspot

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



45, 19.245, 197.288



61, 8.379, 198.670



44, 39.814, 140.431



31, 5.735, 198.585



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 19.245, 197.288



57, 26.952, 196.967



36, 18.920, 261.961



24, 2.606, 199.018



46, 29.112, 196.375



89, 49.356, 196.375

Inverse Universe

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



32, 26.855, 24.365



39, 41.030, 26.620



39, 21.941, 67.969



23, 2.751, 19.858



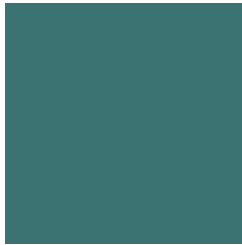
24, 59.040, 37.985



52, 102.983, 39.998

Previews

White Background



This preview shows how the CIELCh color 45, 19.245, 197.290 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, 19.245, 197.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

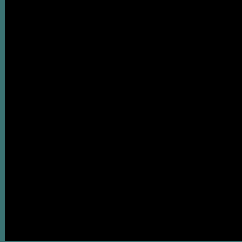
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 19.245, 197.290

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.245, 197.290.



This preview shows how white text looks on a background with the CIELCh color 45, 19.245, 197.290.

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, 19.245, 197.290

Protanopia

45, 2.539, 309.189

Deuteranopia

45, 9.559, 310.748



Tritanopia
45, 18.029, 215.119

Trichromacy



Original Color
45, 19.245, 197.290

Protanomaly
45, 7.441, 207.896

Deuteranomaly
45, 8.004, 241.303

Tritanomaly
45, 18.422, 206.873

Monochromacy



Original Color
45, 19.245, 197.290

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 7.845, 198.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.245, 197.290 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(59, 115, 115)` looks like.

```
.text, #text, p{  
    color:rgb(59, 115, 115)  
}
```

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(59, 115, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 115, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.245, 197.290 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(59, 115, 115) }
```

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

```
.border{ border-color:rgb(59, 115, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 115, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 115, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 115, 115);  
box-shadow:4px 4px 4px 4px rgb(59, 115,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.245, 197.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 115, 115) }
```

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

```
.background{ background-color: rgb(59, 115,  
115) }
```

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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