

Converting Colors

CIELCh(45, 17.841, 197.398)

Have a look what the booklet for
CIELCh(45, 17.841, 197.398)
contains.

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Color

CIELCh(45, 17.895, 197.436)

Conversions

Conversions Part 1

Format	Color
Hex	407373
RGB	64, 115, 115
RGB Percent	25%, 45%, 45%
CMY	0.7497, 0.5497, 0.5497
CMYK	0.44, 0.00, 0.00, 0.55
HSL	180°, 29%, 35%
HSV	180°, 44%, 45%
XYZ	11.3001, 14.5417, 18.3808
YIQ	99.7510, -30.3960, -10.8120

Conversions

Conversions Part 2

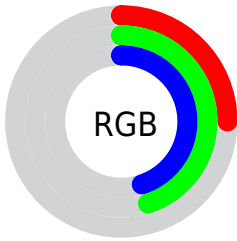
Format	Color
RYB	64, 90, 115
Decimal	4223859
CIELab	45.00, -17.07, -5.36
CIELCh	45, 17.895, 197.436
Yxy	14.5417, 0.2555, 0.3288
Android (android.graphics.Color)	4282413939 (0xFF407373)
YUV	99.7510, 7.5178, -31.3536
Hunter-Lab	38.1336, -13.8390, -1.8848

Details

The CIELCh color **45, 17.895, 197.436** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 24.184, 23.670**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 17.939, 197.899**, and **25, 17.981, 196.567** is the 20% darker color. If you saturate the color by 10%, you get **45, 20.853, 197.115**, and if you desaturate by 10%, it is **46, 14.470, 197.809**.

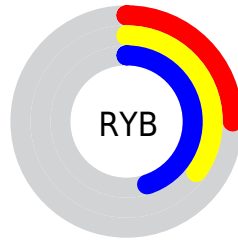
Distribution



 Red (25%)

 Green (45%)

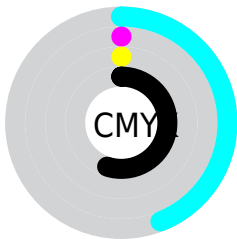
 Blue (45%)




 Red (25%)

 Yellow (35%)

 Blue (45%)

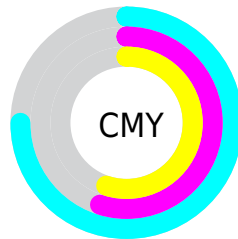


 Cyan (44%)


 Magenta (0%)

 Yellow (0%)

 Black (55%)



 Cyan (75%)


 Magenta (55%)

 Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 17.895, 197.436 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, 17.895, 197.436 by changing the saturation by 10% instead.

 45, 17.895,
197.436


 45, 17.895,
197.436

 100, 17.895,
197.436


 35, 17.895,
197.436

 65, 17.895,
197.436


 25, 17.895,
197.436

 75, 17.895,
197.436

 15, 17.895,
197.436


 85, 17.895,
197.436

 5, 17.895, 197.436

 95, 17.895,
197.436

 0, 17.895, 197.436

 45, 17.895,

 45, 17.895,

197.436

197.436

■ 45, 20.853,
197.115

■ 46, 14.470,
197.809

■ 44, 23.296,
196.856

■ 46, 10.639,
198.239

■ 44, 25.194,
196.657

■ 47, 6.469, 198.727

■ 44, 26.543,
196.516

■ 48, 2.028, 199.354

■ 49, 2.621, 19.567

■ 44, 27.397,
196.428

■ 50, 7.422, 20.216

■ 43, 27.812,
196.385

■ 51, 12.326, 20.812

■ 52, 17.291, 21.408

■ 54, 22.286, 22.008

Harmonies

Complementary

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



45, 17.895, 197.436



33, 24.184, 23.670

Rectangle

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



45, 17.895, 197.436



45, 17.895, 247.436



45, 17.895, 17.436



45, 17.895, 67.436

Sweetspot

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



45, 17.895, 197.434



61, 7.302, 198.783



44, 36.485, 140.828



31, 5.124, 198.687



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, 17.895, 197.434



58, 25.346, 197.115



37, 17.322, 260.957



24, 2.606, 199.024



46, 29.111, 196.385



89, 49.354, 196.385

Inverse Universe

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



33, 24.184, 23.670



40, 37.041, 25.496



40, 19.811, 68.451



23, 2.751, 19.863



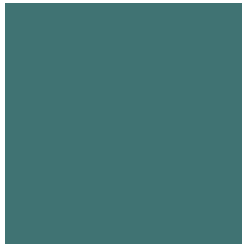
24, 59.042, 37.988



52, 102.986, 40.000

Previews

White Background



This preview shows how the CIELCh color 45, 17.895, 197.436 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, 17.895, 197.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

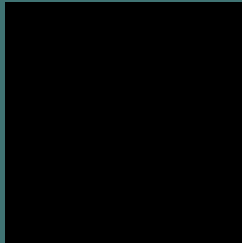
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 17.895, 197.436

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.895, 197.436.



This preview shows how white text looks on a background with the CIELCh color 45, 17.895, 197.436.

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, 17.895, 197.436

Protanopia

45, 2.539, 309.189

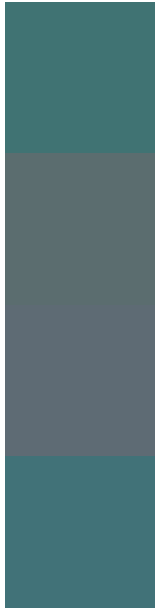
Deuteranopia

45, 9.000, 312.000



Tritanopia
45, 17.013, 216.295

Trichromacy



Original Color
45, 17.895, 197.436

Protanomaly
45, 7.077, 208.418

Deuteranomaly
44, 7.238, 247.264

Tritanomaly
45, 17.107, 209.820

Monochromacy



Original Color
45, 17.895, 197.436

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 7.099, 198.596

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.895, 197.436 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(64, 115, 115)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 115, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 115, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.895, 197.436 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(64, 115, 115) }
```

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

```
.border{ border-color:rgb(64, 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(64, 115, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 115, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 115, 115);  
box-shadow:4px 4px 4px 4px rgb(64, 115,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.895, 197.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 115, 115) }
```

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

```
.background{ background-color: rgb(64, 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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