

Converting Colors

CIELCh(45, 18.677, 206.718)

Have a look what the booklet for
CIELCh(45, 18.677, 206.718)
contains.

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Color

CIELCh(45, 18.677, 206.718)

Conversions

Conversions Part 1

Format	Color
Hex	3C7378
RGB	60, 115, 120
RGB Percent	24%, 45%, 47%
CMY	0.7652, 0.5495, 0.5299
CMYK	0.50, 0.04, 0.00, 0.53
HSL	185°, 33%, 35%
HSV	185°, 50%, 47%
XYZ	11.3540, 14.5417, 19.9368
YIQ	99.1250, -34.3850, -10.1050

Conversions

Conversions Part 2

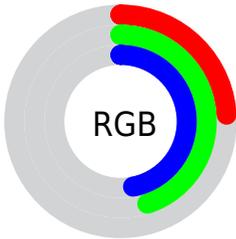
Format	Color
R_{YB}	60, 89, 120
Decimal	3961720
CIE _{Lab}	45.00, -16.68, -8.40
CIE _{LCh}	45, 18.677, 206.718
Yxy	14.5417, 0.2477, 0.3173
Android (android.graphics.Color)	4282151800 (0xFF3C7378)
YUV	99.1250, 10.2914, -34.3126
Hunter-Lab	38.1336, -13.5869, -4.3042

Details

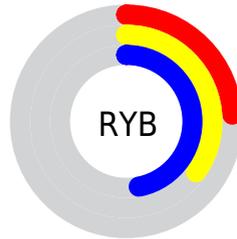
The CIELCh color **45, 18.677, 206.718** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 26.893, 30.316**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 18.666, 206.527**, and **25, 18.567, 206.959** is the 20% darker color. If you saturate the color by 10%, you get **44, 21.182, 207.038**, and if you desaturate by 10%, it is **46, 15.681, 206.551**.

Distribution



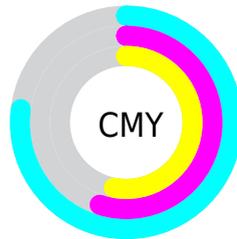
- Red (24%)
- Green (45%)
- Blue (47%)



- Red (24%)
- Yellow (35%)
- Blue (47%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (53%)



- Cyan (77%)
- Magenta (55%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 18.677, 206.718 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, 18.677, 206.718 by changing the saturation by 10% instead.

 45, 18.677,
206.718

 45, 18.677,
206.718

 100, 18.677,
206.718

 35, 18.677,
206.718

 65, 18.677,
206.718

 25, 18.677,
206.718

 75, 18.677,
206.718

 15, 18.677,
206.718

 85, 18.677,
206.718

 5, 18.677, 206.718

 95, 18.677,
206.718

 0, 18.677, 206.718

 45, 18.677,

 45, 18.677,

206.718

206.718

■ 44, 21.182,
207.038

■ 46, 15.681,
206.551

■ 44, 23.152,
207.543

■ 47, 12.253,
206.520

■ 43, 24.566,
208.258

■ 48, 8.458, 206.604

■ 42, 25.434,
209.210

■ 49, 4.361, 206.805

■ 50, 0.025, 222.227

■ 42, 25.976,
210.300

■ 52, 4.495, 27.144

■ 53, 9.150, 27.513

■ 55, 13.898, 27.884

■ 56, 18.708, 28.270

Harmonies

Complementary

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



45, 18.677, 206.718



34, 26.893, 30.316

Rectangle

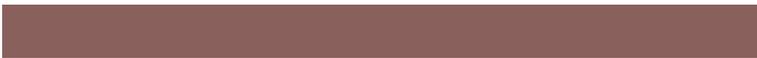
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45, 18.677, 206.718



45, 18.677, 256.718



45, 18.677, 26.718



45, 18.677, 76.718

Sweetspot

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



45, 18.677, 206.716



62, 7.939, 206.681



45, 40.651, 142.337



32, 5.432, 206.650



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 18.677, 206.716



57, 25.967, 207.098



36, 22.332, 271.212



25, 2.491, 206.833



44, 26.753, 210.366



84, 44.855, 211.205

Inverse Universe

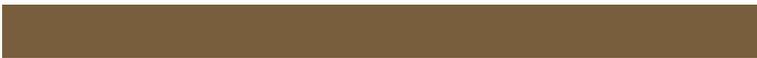
The Inverse Universe completely reimagines the original color for something new.



35, 39.995, 329.494



42, 57.620, 330.069



42, 24.190, 75.929



24, 4.657, 327.241



28, 63.958, 331.724



59, 107.299, 331.929

Previews

White Background



This preview shows how the CIELCh color 45, 18.677, 206.718 looks on a white background.

Color Contrast Check

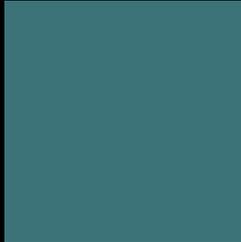
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.677, 206.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

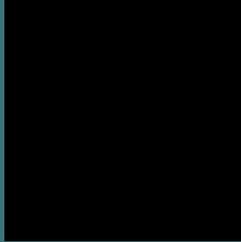
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

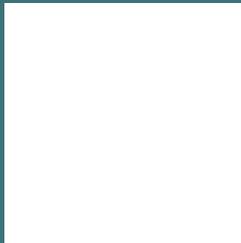
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 18.677, 206.718

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.677, 206.718.



This preview shows how white text looks on a background with the CIELCh color 45, 18.677, 206.718.

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, 18.677, 206.718

Protanopia

45, 5.403, 295.166

Deuteranopia

45, 11.573, 301.389



Tritanopia
45, 18.353, 216.780

Trichromacy



Original Color
45, 18.677, 206.718

Protanomaly
45, 8.549, 228.106

Deuteranomaly
44, 10.327, 253.502

Tritanomaly
45, 18.217, 212.910

Monochromacy



Original Color
45, 18.677, 206.718

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 7.839, 207.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.677, 206.718 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(60, 115, 120)` looks like.

```
.text, #text, p{  
    color:rgb(60, 115, 120)  
}
```

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(60, 115, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 115, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.677, 206.718 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(60, 115, 120) }
```

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

```
.border{ border-color:rgb(60, 115, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 115, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 115, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 115, 120);  
box-shadow:4px 4px 4px 4px rgb(60, 115,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.677, 206.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 115, 120) }
```

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

```
.background{ background-color: rgb(60, 115,  
120) }
```

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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