

Converting Colors

CIELCh(45, 10.791, 196.202)

Have a look what the booklet for
CIELCh(45, 10.791, 196.202)
contains.

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Color

CIELCh(45, 11.082, 195.053)

Conversions

Conversions Part 1

Format	Color
Hex	53706F
RGB	83, 112, 111
RGB Percent	33%, 44%, 44%
CMY	0.6749, 0.5612, 0.5652
CMYK	0.26, 0.00, 0.01, 0.56
HSL	178°, 15%, 38%
HSV	178°, 26%, 44%
XYZ	12.2016, 14.5417, 17.1692
YIQ	103.2150, -16.9630, -6.4590

Conversions

Conversions Part 2

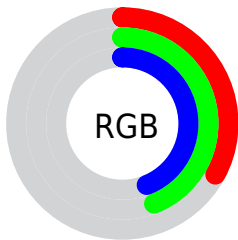
Format	Color
R_{YB}	83, 98, 112
Decimal	5468271
CIE _{Lab}	45.00, -10.70, -2.88
CIE _{LCh}	45, 11.082, 195.053
Yxy	14.5417, 0.2779, 0.3312
Android (android.graphics.Color)	4283658351 (0xFF53706F)
YUV	103.2150, 3.8380, -17.7286
Hunter-Lab	38.1336, -9.6194, -0.0012

Details

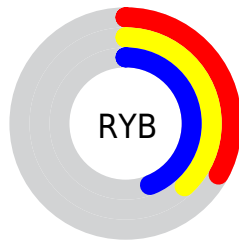
The CIELCh color $45, 11.082, 195.053$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $38, 12.922, 18.614$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 11.256, 195.615$, and $25, 11.186, 194.141$ is the 20% darker color. If you saturate the color by 10%, you get $44, 14.840, 194.493$, and if you desaturate by 10%, it is $46, 7.001, 195.637$.

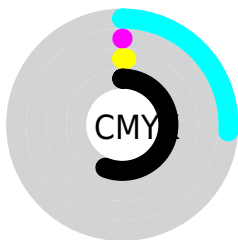
Distribution



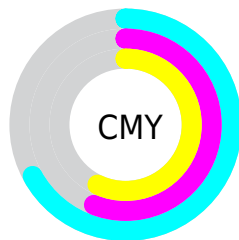
- Red (33%)
- Green (44%)
- Blue (44%)



- Red (33%)
- Yellow (38%)
- Blue (44%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (56%)





- Cyan (67%)
- Magenta (56%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 11.082, 195.053 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, 11.082, 195.053 by changing the saturation by 10% instead.


 45, 11.082,
195.053


 45, 11.082,
195.053


 100, 11.082,
195.053


 35, 11.082,
195.053

 65, 11.082,
195.053


 25, 11.082,
195.053

 75, 11.082,
195.053

 15, 11.082,
195.053


 85, 11.082,
195.053

 5, 11.082, 195.053

 95, 11.082,
195.053

 0, 11.082, 195.053

 45, 11.082,

 45, 11.082,

195.053

■ 44, 14.840,
194.493

■ 44, 18.207,
193.966

■ 43, 21.122,
193.465

■ 43, 23.537,
192.986

■ 43, 25.422,
192.525

■ 42, 26.774,
192.073

■ 42, 27.678,
191.624

■ 42, 28.025,
191.446

195.053

■ 46, 7.001, 195.637

■ 47, 2.662, 196.311

■ 48, 1.872, 16.592

■ 49, 6.547, 17.348

■ 50, 11.313, 17.999

■ 51, 16.132, 18.640

■ 52, 20.972, 19.278

■ 54, 25.808, 19.911

■ 55, 30.621, 20.536

Harmonies

Complementary

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



45, 11.082, 195.053



38, 12.922, 18.614

Rectangle

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



45, 11.082, 195.053



45, 11.082, 245.053



45, 11.082, 15.053



45, 11.082, 65.053

Sweetspot

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



45, 11.082, 195.048



59, 4.439, 196.137



44, 20.818, 141.578



31, 3.171, 196.050



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 11.082, 195.048



57, 16.111, 194.717



41, 9.782, 253.322



23, 2.520, 196.081



45, 29.441, 191.410



88, 50.365, 191.134

Inverse Universe

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



38, 12.922, 18.614



47, 19.534, 19.295



42, 10.676, 66.988



22, 2.650, 17.056



24, 57.068, 36.426



52, 100.842, 39.026

Previews

White Background



This preview shows how the CIE LCh color 45, 11.082, 195.053 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, 11.082, 195.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

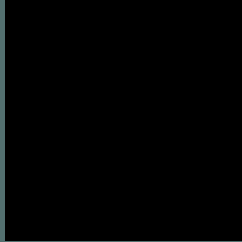
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 11.082, 195.053

Background



This preview shows how black text looks on a background with the CIELCh color 45, 11.082, 195.053.



This preview shows how white text looks on a background with the CIELCh color 45, 11.082, 195.053.

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, 11.082, 195.053

Protanopia

45, 1.024, 343.540

Deuteranopia

45, 7.254, 324.878



Tritanopia
45, 10.604, 225.360

Trichromacy



Original Color
45, 11.082, 195.053

Protanomaly
45, 3.612, 199.072

Deuteranomaly
45, 3.895, 266.587

Tritanomaly
45, 10.440, 215.056

Monochromacy



Original Color
45, 11.082, 195.053

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.016, 199.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 11.082, 195.053 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(83, 112, 111)` looks like.

```
.text, #text, p{  
    color:rgb(83, 112, 111)  
}
```

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(83, 112, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 112, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 11.082, 195.053 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(83, 112, 111) }
```

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

```
.border{ border-color:rgb(83, 112, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 112, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 112, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 112, 111);  
box-shadow:4px 4px 4px 4px rgb(83, 112,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 11.082, 195.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 112, 111) }
```

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

```
.background{ background-color: rgb(83, 112,  
111) }
```

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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