

Converting Colors

CIELCh(45, 10.671, 198.211)

Have a look what the booklet for
CIELCh(45, 10.671, 198.211)
contains.

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Color

CIELCh(45, 10.656, 198.216)

Conversions

Conversions Part 1

Format	Color
Hex	547070
RGB	84, 112, 112
RGB Percent	33%, 44%, 44%
CMY	0.6719, 0.5622, 0.5622
CMYK	0.25, 0.00, 0.00, 0.56
HSL	180°, 14%, 38%
HSV	180°, 25%, 44%
XYZ	12.2859, 14.5417, 17.3861
YIQ	103.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

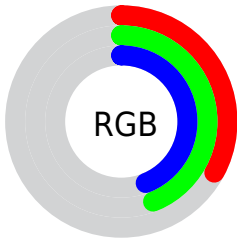
Format	Color
RYB	84, 98, 112
Decimal	5533808
CIELab	45.00, -10.12, -3.33
CIElCh	45, 10.656, 198.216
Yxy	14.5417, 0.2779, 0.3289
Android (android.graphics.Color)	4283723888 (0xFF547070)
YUV	103.6280, 4.1274, -17.2138
Hunter-Lab	38.1336, -9.2247, -0.3383

Details

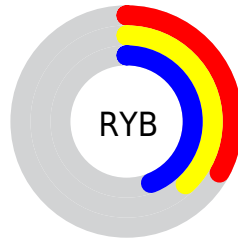
The CIELCh color $45, 10.656, 198.216$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $38, 12.485, 21.202$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 10.856, 198.500$, and $25, 10.736, 197.637$ is the 20% darker color. If you saturate the color by 10%, you get $44, 14.379, 197.785$, and if you desaturate by 10%, it is $46, 6.600, 198.693$.

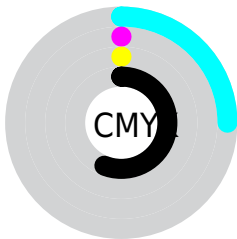
Distribution



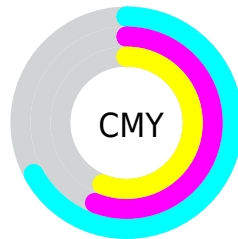
- Red (33%)
- Green (44%)
- Blue (44%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (56%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 10.656, 198.216 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, 10.656, 198.216 by changing the saturation by 10% instead.


 45, 10.656,
198.216


 45, 10.656,
198.216


 100, 10.656,
198.216


 35, 10.656,
198.216

 65, 10.656,
198.216


 25, 10.656,
198.216

 75, 10.656,
198.216

 15, 10.656,
198.216

 85, 10.656,
198.216

 5, 10.656, 198.216

 95, 10.656,
198.216

 0, 10.656, 198.216

 45, 10.656,

 45, 10.656,

198.216

■ 44, 14.379,
197.785

■ 44, 17.703,
197.414

■ 43, 20.569,
197.099

■ 43, 22.932,
196.844

■ 43, 24.762,
196.648

■ 42, 26.059,
196.510

■ 42, 26.890,
196.422

■ 42, 27.261,
196.383

198.216

■ 46, 6.600, 198.693

■ 47, 2.275, 199.297

■ 48, 2.256, 19.509

■ 49, 6.939, 20.172

■ 50, 11.724, 20.767

■ 51, 16.573, 21.361

■ 52, 21.453, 21.958

■ 54, 26.338, 22.556

■ 55, 31.208, 23.150

Harmonies

Complementary

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



45, 10.656, 198.216



38, 12.485, 21.202

Rectangle

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



45, 10.656, 198.216



45, 10.656, 248.216



45, 10.656, 18.216



45, 10.656, 68.216

Sweetspot

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



45, 10.656, 198.211



59, 4.424, 199.076



44, 20.323, 142.466



31, 3.160, 199.000



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, 10.656, 198.211



57, 15.519, 197.961



41, 9.721, 257.078



23, 2.511, 199.028



45, 28.675, 196.383



89, 48.973, 196.383

Inverse Universe

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



38, 12.485, 21.202



48, 18.931, 21.807



42, 10.432, 70.703



22, 2.649, 19.856



24, 58.000, 37.789



52, 102.189, 39.999

Previews

White Background



This preview shows how the CIE LCh color 45, 10.656, 198.216 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, 10.656, 198.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

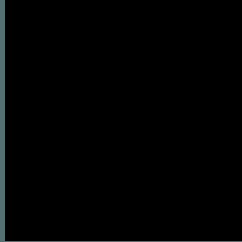
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 10.656, 198.216

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.656, 198.216.



This preview shows how white text looks on a background with the CIELCh color 45, 10.656, 198.216.

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, 10.656, 198.216

Protanopia

45, 1.271, 309.085

Deuteranopia

45, 7.254, 324.878



Tritanopia
45, 10.544, 229.345

Trichromacy



Original Color
45, 10.656, 198.216

Protanomaly
45, 3.636, 208.551

Deuteranomaly
45, 4.444, 269.883

Tritanomaly
45, 10.111, 215.649

Monochromacy



Original Color
45, 10.656, 198.216

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, 10.656, 198.216 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(84, 112, 112)` looks like.

```
.text, #text, p{  
    color:rgb(84, 112, 112)  
}
```

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(84, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 112, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.656, 198.216 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(84, 112, 112) }
```

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

```
.border{ border-color:rgb(84, 112, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 112, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 112, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 112, 112);  
box-shadow:4px 4px 4px 4px rgb(84, 112,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.656, 198.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 112, 112) }
```

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

```
.background{ background-color: rgb(84, 112,  
112) }
```

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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