

Converting Colors

CIELCh(45, 44.769, 332.196)

Have a look what the booklet for
CIELCh(45, 44.769, 332.196)
contains.

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Color

CIELCh(45, 44.769, 332.195)

Conversions

Conversions Part 1

Format	Color
Hex	9A508E
RGB	154, 80, 142
RGB Percent	60%, 31%, 56%
CMY	0.3964, 0.6865, 0.4434
CMYK	0.00, 0.48, 0.08, 0.40
HSL	310°, 32%, 46%
HSV	310°, 48%, 60%
XYZ	21.0542, 14.5417, 27.2619
YIQ	109.1940, 24.2020, 34.9700

Conversions

Conversions Part 2

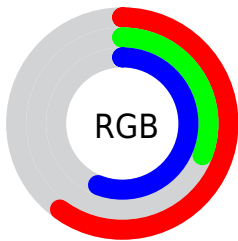
Format	Color
RYB	154, 80, 142
Decimal	10113166
CIELab	45.00, 39.60, -20.88
CIELCh	45, 44.769, 332.195
Yxy	14.5417, 0.3349, 0.2313
Android (android.graphics.Color)	4288303246 (0xFF9A508E)
YUV	109.1940, 16.1734, 39.2949
Hunter-Lab	38.1336, 31.8189, -15.6932

Details

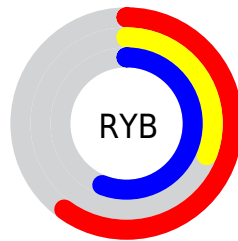
The CIELCh color $45, 44.769, 332.195$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $58, 44.874, 145.214$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 44.635, 332.180$, and $25, 45.228, 332.027$ is the 20% darker color. If you saturate the color by 10%, you get $42, 52.775, 332.841$, and if you desaturate by 10%, it is $48, 35.942, 331.556$.

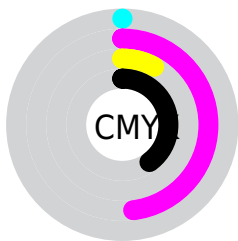
Distribution



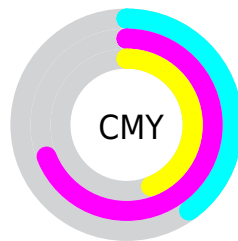
- Red (60%)
- Green (31%)
- Blue (56%)



- Red (60%)
- Yellow (31%)
- Blue (56%)



- Cyan (0%)
- Magenta (48%)
- Yellow (8%)
- Black (40%)




- Cyan (40%)
- Magenta (69%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 44.769, 332.195 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, 44.769, 332.195 by changing the saturation by 10% instead.

 45, 44.769,
332.195


 45, 44.769,
332.195


 100, 44.769,
332.195

 35, 44.769,
332.195

 65, 44.769,
332.195


 25, 44.769,
332.195

 75, 44.769,
332.195

 15, 44.769,
332.195

 85, 44.769,
332.195

 5, 44.769, 332.195

 95, 44.769,
332.195

 0, 44.769, 332.195

 45, 44.769,

 45, 44.769,

332.195

■ 42, 52.775,
332.841

■ 39, 59.574,
333.498

■ 37, 64.777,
334.175

■ 36, 68.106,
334.891

■ 35, 69.708,
335.662

■ 35, 69.974,
335.811

332.195

■ 48, 35.942,
331.556

■ 52, 26.643,
330.925

■ 56, 17.136,
330.302


■ 60, 7.613, 329.682

■ 64, 1.798, 149.268

■ 69, 11.016,
148.593

■ 73, 19.997,
148.046

■ 77, 28.717,
147.532

 82, 37.172,
147.045

Harmonies

Complementary

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



45, 44.769, 332.195



58, 44.874, 145.214

Rectangle

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



45, 44.769, 332.195



45, 44.769, 22.195



45, 44.769, 152.195



45, 44.769, 202.195

Sweetspot

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



45, 44.767, 332.195



73, 16.336, 330.067



38, 45.526, 300.946



37, 11.259, 330.190



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



45, 44.767, 332.195



54, 64.744, 332.910



44, 33.874, 358.477



30, 5.310, 329.754



32, 65.440, 335.739



1, 5.652, 329.680

Inverse Universe

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



45, 44.767, 332.195



54, 64.744, 332.910



58, 30.221, 167.536



30, 5.310, 329.754



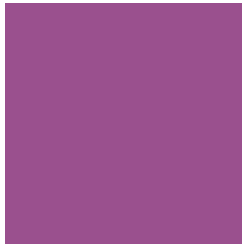
32, 65.440, 335.739



1, 5.652, 329.680

Previews

White Background



This preview shows how the CIELCh color 45, 44.769, 332.195 looks on a white background.

Color Contrast Check

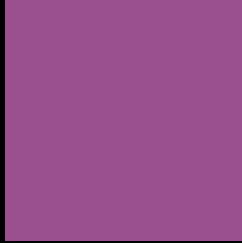
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 44.769, 332.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

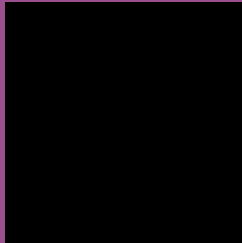
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 44.769, 332.195

Background



This preview shows how black text looks on a background with the CIELCh color 45, 44.769, 332.195.



This preview shows how white text looks on a background with the CIELCh color 45, 44.769, 332.195.

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, 44.769, 332.195

Protanopia

45, 34.151, 285.425

Deuteranopia

45, 19.705, 288.726



Tritanopia
45, 25.951, 14.145

Trichromacy



Original Color
45, 44.769, 332.195

Protanomaly
44, 35.788, 302.977

Deuteranomaly
45, 27.308, 312.440

Tritanomaly
45, 30.695, 353.186

Monochromacy



Original Color
45, 44.769, 332.195

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 17.460, 330.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 44.769, 332.195 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(154, 80, 142)` looks like.

```
.text, #text, p{  
    color:rgb(154, 80, 142)  
}
```

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(154, 80, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 80, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 44.769, 332.195 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(154, 80, 142) }
```

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

```
.border{ border-color:rgb(154, 80, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 80, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 80, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 80, 142);  
box-shadow:4px 4px 4px 4px rgb(154, 80,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 44.769, 332.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 80, 142) }
```

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

```
.background{ background-color: rgb(154, 80,  
142) }
```

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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