

Converting Colors

CIELCh(45, 45.332, 356.655)

Have a look what the booklet for
CIELCh(45, 45.332, 356.655)
contains.

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Color

CIELCh(45, 45.108, 356.980)

Conversions

Conversions Part 1

Format	Color
Hex	AC4870
RGB	172, 72, 112
RGB Percent	67%, 28%, 44%
CMY	0.3260, 0.7181, 0.5612
CMYK	0.00, 0.58, 0.35, 0.33
HSL	336°, 41%, 48%
HSV	336°, 58%, 67%
XYZ	22.2116, 14.5417, 16.9312
YIQ	106.4600, 46.7600, 33.6400

Conversions

Conversions Part 2

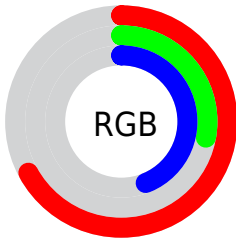
Format	Color
RYB	172, 72, 112
Decimal	11290736
CIELab	45.00, 45.05, -2.38
CIELCh	45, 45.108, 356.980
Yxy	14.5417, 0.4137, 0.2709
Android (android.graphics.Color)	4289480816 (0xFFAC4870)
YUV	106.4600, 2.7312, 57.4786
Hunter-Lab	38.1336, 37.2369, 0.3689

Details

The CIELCh color $45, 45.108, 356.980$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $64, 40.662, 162.879$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 44.965, 356.781$, and $25, 45.018, 357.283$ is the 20% darker color. If you saturate the color by 10%, you get $42, 51.493, 359.318$, and if you desaturate by 10%, it is $49, 37.830, 355.097$.

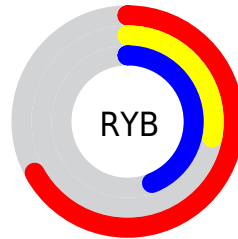
Distribution



Red (67%)

Green (28%)

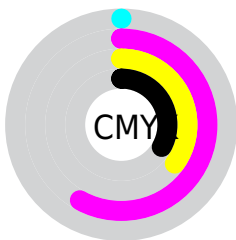
Blue (44%)



Red (67%)

Yellow (28%)

Blue (44%)

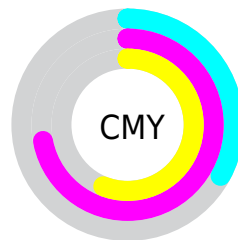


Cyan (0%)

Magenta (58%)

Yellow (35%)

Black (33%)



Cyan (33%)


Magenta (72%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 45.108, 356.980 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, 45.108, 356.980 by changing the saturation by 10% instead.


 45, 45.108,
356.980


 45, 45.108,
356.980


 100, 45.108,
356.980


 35, 45.108,
356.980

 65, 45.108,
356.980


 25, 45.108,
356.980

 75, 45.108,
356.980

 15, 45.108,
356.980

 85, 45.108,
356.980

 5, 45.108, 356.980

 95, 45.108,
356.980

 0, 45.108, 356.980

 45, 45.108,

 45, 45.108,

356.980

356.980

42, 51.493,
359.318

49, 37.830,
355.097

39, 56.621, 2.262

53, 30.041,
353.544

38, 60.259, 5.987

57, 22.046,
352.231

37, 62.626, 10.520

36, 63.063, 11.357

62, 14.063,
351.095

66, 6.234, 350.074

71, 1.361, 169.550

76, 8.682, 168.517

81, 15.716,
167.781

86, 22.469,

Harmonies

Complementary

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



45, 45.108, 356.980



64, 40.662, 162.879

Rectangle

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



45, 45.108, 356.980



45, 45.108, 46.980



45, 45.108, 176.980



45, 45.108, 226.980

Sweetspot

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



45, 45.105, 356.981



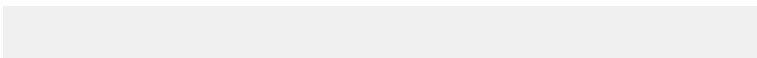
79, 16.321, 351.003



42, 61.709, 314.465



41, 10.931, 351.208



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 45.105, 356.981



54, 64.949, 0.153



46, 43.335, 31.811



34, 4.356, 350.187



31, 57.125, 10.741



2, 8.681, 354.158

Inverse Universe

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



45, 45.105, 356.981



54, 64.949, 0.153



62, 27.546, 207.042



34, 4.356, 350.187



31, 57.125, 10.741



2, 8.681, 354.158

Previews

White Background



This preview shows how the CIELCh color 45, 45.108, 356.980 looks on a white background.

Color Contrast Check

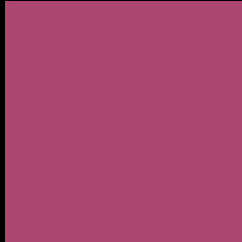
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.108, 356.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

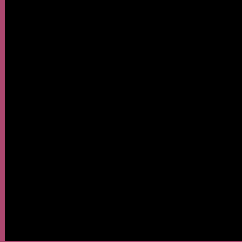
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 45.108, 356.980

Background



This preview shows how black text looks on a background with the CIELCh color 45, 45.108, 356.980.



This preview shows how white text looks on a background with the CIELCh color 45, 45.108, 356.980.

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, 45.108, 356.980

Protanopia

45, 16.746, 286.247

Deuteranopia

45, 5.700, 1.887



Tritanopia
45, 41.205, 21.959

Trichromacy



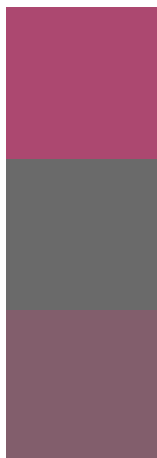
Original Color
45, 45.108, 356.980

Protanomaly
44, 23.073, 326.635

Deuteranomaly
44, 21.192, 354.195

Tritanomaly
45, 41.614, 12.138

Monochromacy



Original Color
45, 45.108, 356.980

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 17.130, 352.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 45.108, 356.980 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(172, 72, 112)` looks like.

```
.text, #text, p{  
    color:rgb(172, 72, 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(172, 72, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 72, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 45.108, 356.980 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(172, 72, 112) }
```

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

```
.border{ border-color:rgb(172, 72, 112) }
```

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

Here you see how a box with a 4 pixel rgb(172, 72, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 72, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 72, 112);  
box-shadow:4px 4px 4px 4px rgb(172, 72,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 45.108, 356.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 72, 112) }
```

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

```
.background{ background-color: rgb(172, 72,  
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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