

Converting Colors

CIELCh(45, 44.869, 340.371)

Have a look what the booklet for
CIELCh(45, 44.869, 340.371)
contains.

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Color

CIELCh(45, 45.092, 340.784)

Conversions

Conversions Part 1

Format	Color
Hex	A24C84
RGB	162, 76, 132
RGB Percent	64%, 30%, 52%
CMY	0.3643, 0.7016, 0.4820
CMYK	0.00, 0.53, 0.19, 0.36
HSL	321°, 36%, 47%
HSV	321°, 53%, 64%
XYZ	21.6824, 14.5417, 23.5267
YIQ	108.0980, 33.2800, 35.6480

Conversions

Conversions Part 2

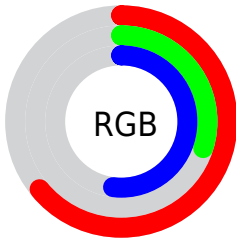
Format	Color
RYB	162, 76, 132
Decimal	10636420
CIELab	45.00, 42.58, -14.84
CIElCh	45, 45.092, 340.784
Yxy	14.5417, 0.3629, 0.2434
Android (android.graphics.Color)	4288826500 (0xFFA24C84)
YUV	108.0980, 11.7837, 47.2721
Hunter-Lab	38.1336, 34.7597, -9.8857

Details

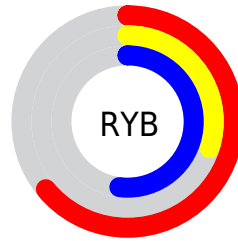
The CIELCh color $45, 45.092, 340.784$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $60, 44.450, 151.187$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 45.178, 340.927$, and $25, 45.001, 341.179$ is the 20% darker color. If you saturate the color by 10%, you get $42, 52.033, 341.936$, and if you desaturate by 10%, it is $49, 37.207, 339.770$.

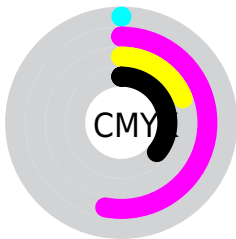
Distribution



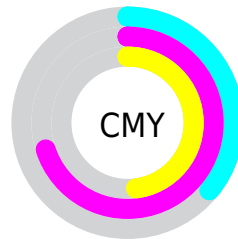
- Red (64%)
- Green (30%)
- Blue (52%)



- Red (64%)
- Yellow (30%)
- Blue (52%)



- Cyan (0%)
- Magenta (53%)
- Yellow (19%)
- Black (36%)





- Cyan (36%)
- Magenta (70%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 45.092, 340.784 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, 45.092, 340.784 by changing the saturation by 10% instead.


 45, 45.092,
340.784


 45, 45.092,
340.784


 100, 45.092,
340.784


 35, 45.092,
340.784

 65, 45.092,
340.784


 25, 45.092,
340.784

 75, 45.092,
340.784

 15, 45.092,
340.784

 85, 45.092,
340.784

 5, 45.092, 340.784

 95, 45.092,
340.784

 0, 45.092, 340.784

 45, 45.092,

 45, 45.092,

340.784

42, 52.033,
341.936

39, 57.617,
343.277

37, 61.467,
344.884

36, 63.386,
346.847

35, 64.005,
348.376

340.784

49, 37.207,
339.770

52, 28.762,
338.856

57, 20.053,
338.017


61, 11.292,
337.235

65, 2.623, 336.429

70, 5.867, 155.926

74, 14.131,
155.269

79, 22.146,
154.672

 84, 29.906,
154.117

Harmonies

Complementary

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



45, 45.092, 340.784



60, 44.450, 151.187

Rectangle

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



45, 45.092, 340.784



45, 45.092, 30.784



45, 45.092, 160.784



45, 45.092, 210.784

Sweetspot

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



45, 45.090, 340.785



76, 17.233, 337.485



39, 53.030, 306.752



39, 11.741, 337.636



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 45.090, 340.785



54, 65.074, 342.207



44, 38.025, 13.228



32, 4.905, 336.947



32, 59.192, 348.126



1, 7.266, 338.935

Inverse Universe

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



45, 45.090, 340.785



54, 65.074, 342.207



61, 29.547, 180.884



32, 4.905, 336.947



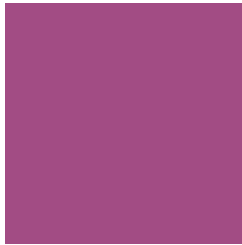
32, 59.192, 348.126



1, 7.266, 338.935

Previews

White Background



This preview shows how the CIELCh color 45, 45.092, 340.784 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, 45.092, 340.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

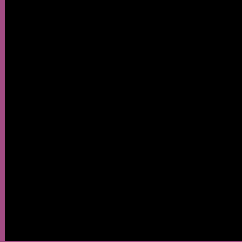
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 45.092, 340.784

Background



This preview shows how black text looks on a background with the CIELCh color 45, 45.092, 340.784.



This preview shows how white text looks on a background with the CIELCh color 45, 45.092, 340.784.

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





Tritanopia
45, 32.366, 18.139

Trichromacy



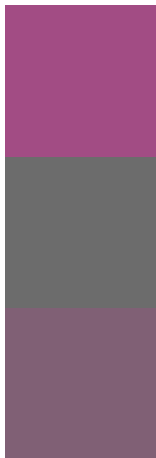
Original Color
45, 45.092, 340.784

Protanomaly
44, 32.337, 308.893

Deuteranomaly
44, 24.513, 324.223

Tritanomaly
45, 34.638, 1.316

Monochromacy



Original Color
45, 45.092, 340.784

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 17.995, 337.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 45.092, 340.784 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(162, 76, 132)` looks like.

```
.text, #text, p{  
    color:rgb(162, 76, 132)  
}
```

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(162, 76, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 76, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 45.092, 340.784 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(162, 76, 132) }
```

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

```
.border{ border-color:rgb(162, 76, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 76, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 76, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 76, 132);  
box-shadow:4px 4px 4px 4px rgb(162, 76,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 45.092, 340.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 76, 132) }
```

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

```
.background{ background-color: rgb(162, 76,  
132) }
```

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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