

Converting Colors

CIELCh(45, 46.645, 343.640)

Have a look what the booklet for
CIELCh(45, 46.645, 343.640)
contains.

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Color

CIELCh(45, 46.774, 343.746)

Conversions

Conversions Part 1

Format	Color
Hex	A64981
RGB	166, 73, 129
RGB Percent	65%, 29%, 51%
CMY	0.3477, 0.7125, 0.4929
CMYK	0.00, 0.56, 0.22, 0.35
HSL	324°, 39%, 47%
HSV	324°, 56%, 65%
XYZ	22.1812, 14.5417, 22.5129
YIQ	107.1910, 37.4520, 37.1320

Conversions

Conversions Part 2

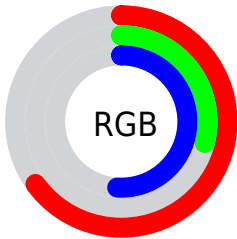
Format	Color
R_{YB}	166, 73, 129
Decimal	10897793
CIE _{Lab}	45.00, 44.90, -13.09
CIE _{LCh}	45, 46.774, 343.746
Yxy	14.5417, 0.3745, 0.2455
Android (android.graphics.Color)	4289087873 (0xFFA64981)
YUV	107.1910, 10.7518, 51.5755
Hunter-Lab	38.1336, 37.0943, -8.3094

Details

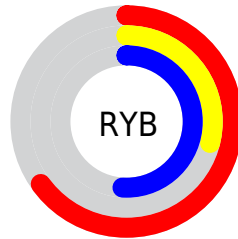
The CIELCh color $[45, 46.774, 343.746]$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $[62, 45.702, 152.833]$, and the grayscale version is $[45, 0.006, 296.813]$.

A 20% lighter version of the original color is $[65, 46.451, 343.701]$, and $[25, 46.939, 343.449]$ is the 20% darker color. If you saturate the color by 10%, you get $[42, 53.355, 345.132]$, and if you desaturate by 10%, it is $[49, 39.146, 342.560]$.

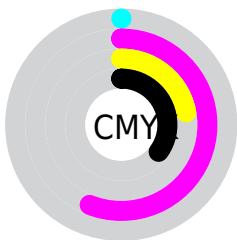
Distribution



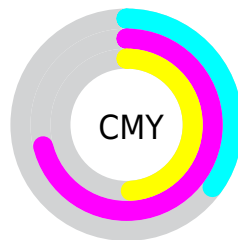
- Red (65%)
- Green (29%)
- Blue (51%)



- Red (65%)
- Yellow (29%)
- Blue (51%)



- Cyan (0%)
- Magenta (56%)
- Yellow (22%)
- Black (35%)





- Cyan (35%)
- Magenta (71%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 46.774, 343.746 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, 46.774, 343.746 by changing the saturation by 10% instead.


 45, 46.774,
343.746


 45, 46.774,
343.746


 100, 46.774,
343.746


 35, 46.774,
343.746

 65, 46.774,
343.746


 25, 46.774,
343.746

 75, 46.774,
343.746

 15, 46.774,
343.746

 85, 46.774,
343.746

 5, 46.774, 343.746

 95, 46.774,
343.746

 0, 46.774, 343.746

 45, 46.774,

 45, 46.774,

343.746

42, 53.355,
345.132

39, 58.474,
346.794

38, 61.787,
348.836

36, 63.224,
351.365

36, 63.610,
352.465

343.746

49, 39.146,
342.560

52, 30.878,
341.518

57, 22.291,
340.583

61, 13.620,
339.728

66, 5.022, 338.911

70, 3.403, 158.353

75, 11.603,
157.619

80, 19.550,
156.986

■ 84, 27.240,
156.400

Harmonies

Complementary

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



45, 46.774, 343.746



62, 45.702, 152.833

Rectangle

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



45, 46.774, 343.746



45, 46.774, 33.746



45, 46.774, 163.746



45, 46.774, 213.746

Sweetspot

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



45, 46.771, 343.747



77, 18.054, 339.843



39, 57.295, 308.423



40, 12.188, 340.004



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



45, 46.771, 343.747



54, 66.603, 345.488



44, 41.316, 17.745



33, 4.859, 339.190



32, 58.455, 352.141



2, 8.318, 342.362

Inverse Universe

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



45, 46.771, 343.747



54, 66.603, 345.488



63, 30.302, 185.154



33, 4.859, 339.190



32, 58.455, 352.141



2, 8.318, 342.362

Previews

White Background



This preview shows how the CIELCh color 45, 46.774, 343.746 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, 46.774, 343.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

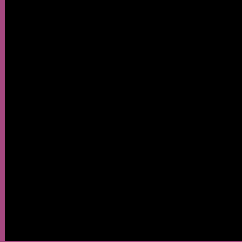
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 46.774, 343.746

Background



This preview shows how black text looks on a background with the CIELCh color 45, 46.774, 343.746.



This preview shows how white text looks on a background with the CIELCh color 45, 46.774, 343.746.

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, 46.774, 343.746

Protanopia

45, 28.177, 284.638

Deuteranopia

45, 12.142, 300.955



Tritanopia
45, 35.606, 19.339

Trichromacy



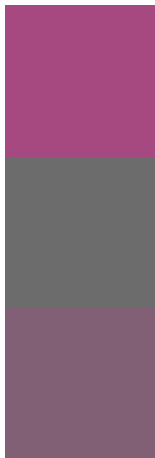
Original Color
45, 46.774, 343.746

Protanomaly
44, 31.381, 310.730

Deuteranomaly
44, 24.421, 329.120

Tritanomaly
45, 37.757, 4.186

Monochromacy



Original Color
45, 46.774, 343.746

Achromatopsia
46, 0.006, 296.813

Achromatomaly
44, 18.605, 339.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 46.774, 343.746 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(166, 73, 129)` looks like.

```
.text, #text, p{  
    color:rgb(166, 73, 129)  
}
```

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(166, 73, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 73, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 46.774, 343.746 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(166, 73, 129) }
```

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

```
.border{ border-color:rgb(166, 73, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 73, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 73, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 73, 129);  
box-shadow:4px 4px 4px 4px rgb(166, 73,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 46.774, 343.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 73, 129) }
```

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

```
.background{ background-color: rgb(166, 73,  
129) }
```

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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