

Converting Colors

CIELCh(66, 42.646, 354.907)

Have a look what the booklet for
CIELCh(66, 42.646, 354.907)
contains.

CIELCh(66, 42.523, 354.523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 42.523, 354.523)

Conversions

Conversions Part 1

Format	Color
Hex	E482A9
RGB	228, 130, 169
RGB Percent	89%, 51%, 66%
CMY	0.1059, 0.4902, 0.3372
CMYK	0.00, 0.43, 0.26, 0.11
HSL	336°, 64%, 70%
HSV	336°, 43%, 89%
XYZ	47.1390, 35.3238, 41.8701
YIQ	163.7480, 45.8890, 32.9050

Conversions

Conversions Part 2

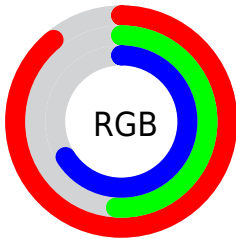
Format	Color
R _Y B	228, 130, 169
Decimal	14975657
CIE Lab	66.00, 42.33, -4.06
CIE LCh	66, 42.523, 354.523
Yxy	35.3238, 0.3791, 0.2841
Android (android.graphics.Color)	4293165737 (0xFFE482A9)
YUV	163.7480, 2.5892, 56.3490
Hunter-Lab	59.4338, 37.5652, -0.1650

Details

The CIELCh color $66, 42.523, 354.523$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $84, 39.057, 165.015$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 32.460, 343.072$, and $46, 42.253, 354.519$ is the 20% darker color. If you saturate the color by 10%, you get $61, 52.004, 356.293$, and if you desaturate by 10%, it is $71, 32.567, 353.057$.

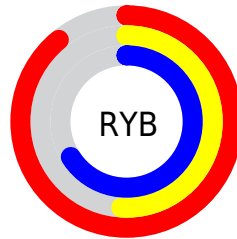
Distribution



Red (89%)

Green (51%)

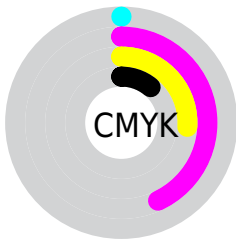
Blue (66%)



Red (89%)

Yellow (51%)

Blue (66%)

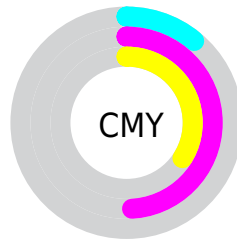


Cyan (0%)

Magenta (43%)

Yellow (26%)

Black (11%)



Cyan (11%)


Magenta (49%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 42.523, 354.523 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 66, 42.523, 354.523 by changing the saturation by 10% instead.


 66, 42.523,
354.523


 66, 42.523,
354.523


 100, 42.523,
354.523


 56, 42.523,
354.523


 86, 42.523,
354.523

 46, 42.523,
354.523

 96, 42.523,
354.523

 36, 42.523,
354.523

 26, 42.523,
354.523

 16, 42.523,
354.523

 6, 42.523, 354.523

 0, 42.523, 354.523

66, 42.523,
354.523

66, 42.523,
354.523

61, 52.004,
356.293

71, 32.567,
353.057

57, 60.562,
358.476

77, 22.493,
351.807

53, 67.693, 1.224

83, 12.535,
350.714

51, 72.998, 4.718

89, 2.835, 349.634

49, 76.408, 9.119

95, 6.533, 169.035

49, 78.082, 12.661

98, 9.462, 187.541

98, 9.184, 198.897

Harmonies

Complementary

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



66, 42.523, 354.523



84, 39.057, 165.015

Rectangle

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



66, 42.523, 354.523



66, 42.523, 44.523



66, 42.523, 174.523



66, 42.523, 224.523

Sweetspot

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



66, 42.520, 354.525



91, 13.750, 350.725



64, 57.633, 314.412



47, 9.653, 350.957



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 42.520, 354.525



68, 55.941, 356.165



67, 37.869, 31.018



45, 5.484, 350.353



38, 64.899, 11.726



7, 26.901, 2.431

Inverse Universe

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



66, 42.520, 354.525



68, 55.941, 356.165



82, 27.364, 208.660



45, 5.484, 350.353



38, 64.899, 11.726



7, 26.901, 2.431

Previews

White Background



This preview shows how the CIELCh color 66, 42.523, 354.523 looks on a white background.

Color Contrast Check

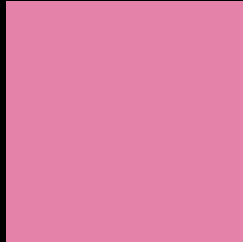
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 66, 42.523, 354.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

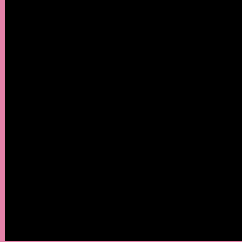
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 42.523, 354.523

Background



This preview shows how black text looks on a background with the CIELCh color 66, 42.523, 354.523.



This preview shows how white text looks on a background with the CIELCh color 66, 42.523, 354.523.

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
66, 37.668, 15.305

Trichromacy



Original Color
66, 42.523, 354.523

Protanomaly
66, 21.151, 327.113

Deuteranomaly
66, 20.892, 351.524

Tritanomaly
66, 38.651, 7.532

Monochromacy



Original Color
66, 42.523, 354.523

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 15.525, 351.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 42.523, 354.523 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(228, 130, 169)` looks like.

```
.text, #text, p{  
    color:rgb(228, 130, 169)  
}
```

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(228, 130, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 130, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 42.523, 354.523 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(228, 130, 169) }
```

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

```
.border{ border-color:rgb(228, 130, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 130, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 130, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 130, 169);  
box-shadow:4px 4px 4px 4px rgb(228, 130,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 42.523, 354.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 130, 169) }
```

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

```
.background{ background-color: rgb(228,  
130, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor