

Converting Colors

CIELCh(50, 75.374, 6.609)

Have a look what the booklet for
CIELCh(50, 75.374, 6.609) contains.

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Color

CIELCh(50, 75.405, 6.566)

Conversions

Conversions Part 1

Format	Color
Hex	E51A6C
RGB	229, 26, 108
RGB Percent	90%, 10%, 42%
CMY	0.1029, 0.8997, 0.5772
CMYK	0.00, 0.89, 0.53, 0.10
HSL	336°, 80%, 50%
HSV	336°, 89%, 90%
XYZ	35.2970, 18.4187, 15.8327
YIQ	96.0450, 94.6660, 68.5380

Conversions

Conversions Part 2

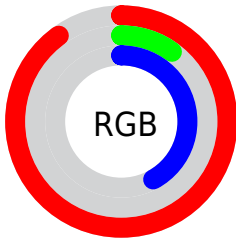
Format	Color
R_{YB}	229, 26, 108
Decimal	15014508
CIE _{Lab}	50.00, 74.91, 8.62
CIE _{LCh}	50, 75.405, 6.566
Yxy	18.4187, 0.5075, 0.2648
Android (android.graphics.Color)	4293204588 (0xFFE51A6C)
YUV	96.0450, 5.8938, 116.6015
Hunter-Lab	42.9170, 71.7024, 8.1689

Details

The CIELCh color **50, 75.405, 6.566** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **81, 69.652, 156.667**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.995, 359.307**, and **35, 61.875, 14.329** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.890, 11.414**, and if you desaturate by 10%, it is **52, 71.281, 2.607**.

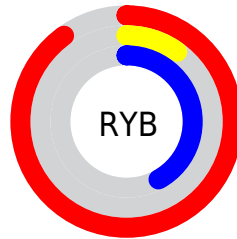
Distribution



Red (90%)

Green (10%)

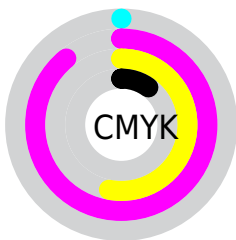
Blue (42%)



Red (90%)

Yellow (10%)

Blue (42%)

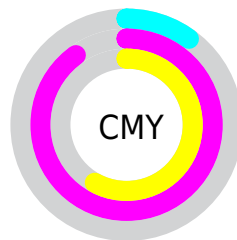


Cyan (0%)

Magenta (89%)

Yellow (53%)

Black (10%)



Cyan (10%)

Magenta (90%)







Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 75.405, 6.566 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 50, 75.405, 6.566 by changing the saturation by 10% instead.

 50, 75.405, 6.566	 50, 75.405, 6.566
 100, 75.405, 6.566	 40, 75.405, 6.566
 70, 75.405, 6.566	 30, 75.405, 6.566
 80, 75.405, 6.566	 20, 75.405, 6.566
 90, 75.405, 6.566	 10, 75.405, 6.566
	 0, 75.405, 6.566

 50, 75.405, 6.566	 50, 75.405, 6.566
 49, 77.890, 11.414	 52, 71.281, 2.607
 49, 78.176, 12.004	 55, 65.210, 359.485

59, 57.427,
357.023

63, 48.402,
355.051

68, 38.636,
353.435

74, 28.549,
352.078

80, 18.444,
350.910

86, 8.518, 349.866

92, 1.117, 169.461

Harmonies

Complementary

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



50, 75.405, 6.566



81, 69.652, 156.667

Rectangle

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



50, 75.405, 6.566



50, 75.405, 56.566



50, 75.405, 186.566



50, 75.405, 236.566

Sweetspot

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



50, 75.401, 6.568



83, 29.170, 351.874



42, 108.178, 314.523



42, 19.709, 352.305



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 75.401, 6.568



54, 84.921, 12.354



50, 87.538, 38.972



45, 5.507, 349.931



38, 64.826, 11.067



7, 26.932, 1.964

Inverse Universe

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



50, 75.401, 6.568



54, 84.921, 12.354



78, 41.232, 209.598



45, 5.507, 349.931



38, 64.826, 11.067



7, 26.932, 1.964

Previews

White Background



This preview shows how the CIELCh color 50, 75.405, 6.566 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 75.405, 6.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

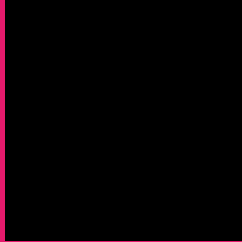
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 75.405, 6.566

Background



This preview shows how black text looks on a background with the CIELCh color 50, 75.405, 6.566.



This preview shows how white text looks on a background with the CIELCh color 50, 75.405, 6.566.

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

50, 75.405, 6.566

Protanopia

51, 19.975, 284.636

Deuteranopia

50, 14.131, 61.081



Tritanopia
50, 79.719, 33.627

Trichromacy



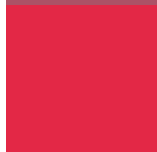
Original Color
50, 75.405, 6.566



Protanomaly
46, 39.654, 335.283



Deuteranomaly
47, 39.344, 8.876

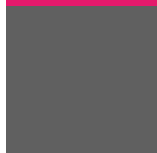


Tritanomaly
50, 76.253, 24.266

Monochromacy



Original Color
50, 75.405, 6.566



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 34.928, 355.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 75.405, 6.566 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(229, 26, 108)` looks like.

```
.text, #text, p{  
    color:rgb(229, 26, 108)  
}
```

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(229, 26, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 26, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 75.405, 6.566 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(229, 26, 108) }
```

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

```
.border{ border-color:rgb(229, 26, 108) }
```

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

Here you see how a box with a 4 pixel rgb(229, 26, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 26, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 26, 108);  
box-shadow:4px 4px 4px 4px rgb(229, 26,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 75.405, 6.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 26, 108) }
```

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

```
.background{ background-color: rgb(229, 26,  
108) }
```

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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