

Converting Colors

CIELCh(45, 58.283, 356.400)

Have a look what the booklet for
CIELCh(45, 58.283, 356.400)
contains.

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Color

CIELCh(45, 58.286, 356.506)

Conversions

Conversions Part 1

Format	Color
Hex	BC3572
RGB	188, 53, 114
RGB Percent	74%, 21%, 45%
CMY	0.2613, 0.7906, 0.5517
CMYK	0.00, 0.72, 0.39, 0.26
HSL	333°, 56%, 47%
HSV	333°, 72%, 74%
XYZ	25.1759, 14.5417, 17.4926
YIQ	100.3190, 60.8790, 47.5910

Conversions

Conversions Part 2

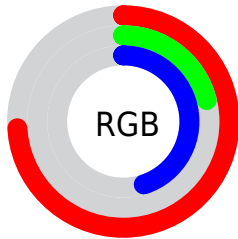
Format	Color
R_{YB}	188, 53, 114
Decimal	12334450
CIE _{Lab}	45.00, 58.18, -3.55
CIE _{LCh}	45, 58.286, 356.506
Yxy	14.5417, 0.4401, 0.2542
Android (android.graphics.Color)	4290524530 (0xFFBC3572)
YUV	100.3190, 6.7447, 76.8962
Hunter-Lab	38.1336, 51.1123, -0.5039

Details

The CIELCh color **45, 58.286, 356.506** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **68, 54.211, 157.582**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 58.370, 356.329**, and **27, 51.628, 359.934** is the 20% darker color. If you saturate the color by 10%, you get **43, 62.936, 359.432**, and if you desaturate by 10%, it is **48, 52.007, 354.190**.

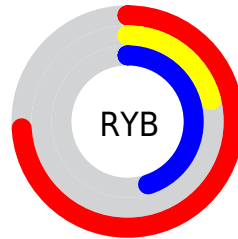
Distribution



Red (74%)

Green (21%)

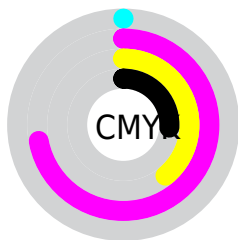
Blue (45%)



Red (74%)

Yellow (21%)

Blue (45%)

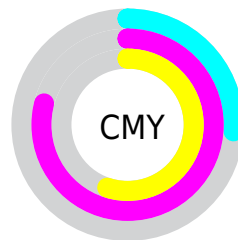


Cyan (0%)

Magenta (72%)

Yellow (39%)

Black (26%)



Cyan (26%)


Magenta (79%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 58.286, 356.506 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, 58.286, 356.506 by changing the saturation by 10% instead.


 45, 58.286,
356.506

 45, 58.286,
356.506


 100, 58.286,
356.506

 35, 58.286,
356.506

 65, 58.286,
356.506

 25, 58.286,
356.506

 75, 58.286,
356.506

 15, 58.286,
356.506

 85, 58.286,
356.506

 5, 58.286, 356.506

 95, 58.286,
356.506

 0, 58.286, 356.506

 45, 58.286,

 45, 58.286,

356.506

356.506

■ 43, 62.936,
359.432

■ 48, 52.007,
354.190

■ 41, 65.796, 3.133

■ 52, 44.501,
352.322

■ 40, 67.233, 6.752

■ 56, 36.203,
350.781

■ 61, 27.499,
349.477

■ 65, 18.678,
348.347

■ 70, 9.937, 347.340

■ 76, 1.396, 346.209

■ 81, 6.881, 165.762

■ 86, 14.863,

Harmonies

Complementary

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



45, 58.286, 356.506



68, 54.211, 157.582

Rectangle

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



45, 58.286, 356.506



45, 58.286, 46.506



45, 58.286, 176.506



45, 58.286, 226.506

Sweetspot

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



45, 58.283, 356.507



83, 22.402, 348.314



39, 80.343, 313.384



42, 15.195, 348.610



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



45, 58.283, 356.507



54, 78.881, 1.452



44, 61.274, 32.256



37, 4.824, 347.118



33, 59.064, 6.055



3, 13.600, 354.439

Inverse Universe

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



45, 58.283, 356.507



54, 78.881, 1.452



68, 34.893, 200.859



37, 4.824, 347.118



33, 59.064, 6.055



3, 13.600, 354.439

Previews

White Background



This preview shows how the CIELCh color 45, 58.286, 356.506 looks on a white background.

Color Contrast Check

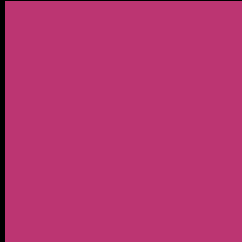
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.286, 356.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

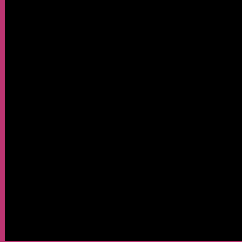
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 58.286, 356.506

Background



This preview shows how black text looks on a background with the CIELCh color 45, 58.286, 356.506.

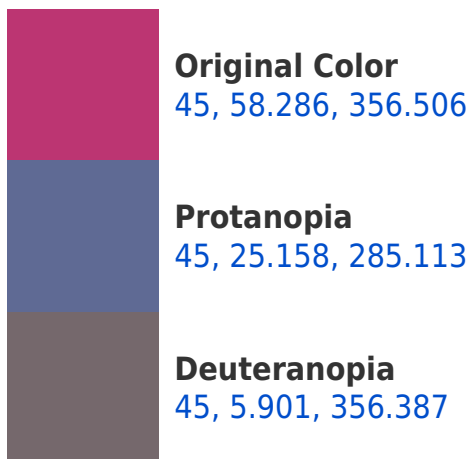


This preview shows how white text looks on a background with the CIELCh color 45, 58.286, 356.506.

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](#).

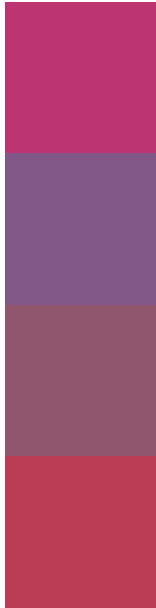
Dichromacy





Tritanopia
45, 54.299, 26.430

Trichromacy



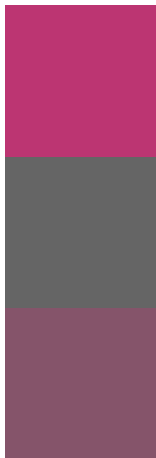
Original Color
45, 58.286, 356.506

Protanomaly
43, 33.227, 322.090

Deuteranomaly
44, 27.269, 352.333

Tritanomaly
45, 53.733, 15.388

Monochromacy



Original Color
45, 58.286, 356.506

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 24.086, 350.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 58.286, 356.506 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(188, 53, 114)` looks like.

```
.text, #text, p{  
    color:rgb(188, 53, 114)  
}
```

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(188, 53, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 53, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 58.286, 356.506 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(188, 53, 114) }
```

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

```
.border{ border-color:rgb(188, 53, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 53, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 53, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 53, 114);  
box-shadow:4px 4px 4px 4px rgb(188, 53,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 58.286, 356.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 53, 114) }
```

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

```
.background{ background-color: rgb(188, 53,  
114) }
```

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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