

Converting Colors

CIELCh(46, 65.210, 332.327)

Have a look what the booklet for
CIELCh(46, 65.210, 332.327)
contains.

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Color

CIELCh(46, 65.280, 332.117)

Conversions

Conversions Part 1

Format	Color
Hex	B03EA1
RGB	176, 62, 161
RGB Percent	69%, 24%, 63%
CMY	0.3095, 0.7565, 0.3683
CMYK	0.00, 0.65, 0.09, 0.31
HSL	308°, 48%, 47%
HSV	308°, 65%, 69%
XYZ	26.0885, 15.2687, 35.3245
YIQ	107.3720, 36.1650, 54.9570

Conversions

Conversions Part 2

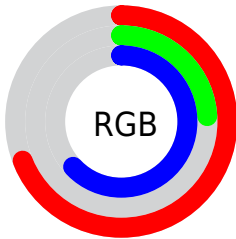
Format	Color
R_{YB}	176, 62, 161
Decimal	11550369
CIE _{Lab}	46.00, 57.70, -30.53
CIE _{LCh}	46, 65.280, 332.117
Yxy	15.2687, 0.3402, 0.1991
Android (android.graphics.Color)	4289740449 (0xFFB03EA1)
YUV	107.3720, 26.4386, 60.1868
Hunter-Lab	39.0751, 50.7938, -26.2464

Details

The CIELCh color **46, 65.280, 332.117** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **64, 66.613, 142.105**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 65.387, 332.105**, and **27, 61.754, 332.092** is the 20% darker color. If you saturate the color by 10%, you get **44, 71.731, 332.706**, and if you desaturate by 10%, it is **49, 57.118, 331.523**.

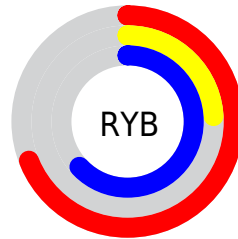
Distribution



Red (69%)

Green (24%)

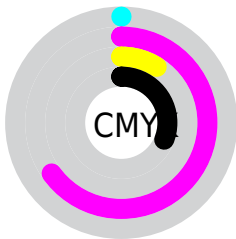
Blue (63%)



Red (69%)

Yellow (24%)

Blue (63%)

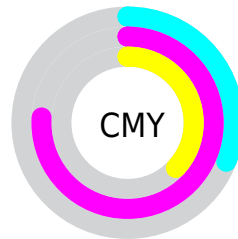


Cyan (0%)

Magenta (65%)

Yellow (9%)

Black (31%)



Cyan (31%)


Magenta (76%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 65.280, 332.117 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 46, 65.280, 332.117 by changing the saturation by 10% instead.


 46, 65.280,
332.117


 46, 65.280,
332.117


 100, 65.280,
332.117


 36, 65.280,
332.117

 66, 65.280,
332.117


 26, 65.280,
332.117

 76, 65.280,
332.117

 16, 65.280,
332.117

 86, 65.280,
332.117

 6, 65.280, 332.117

 96, 65.280,
332.117

 0, 65.280, 332.117

 46, 65.280,

 46, 65.280,

332.117

44, 71.731,
332.706

42, 76.124,
333.301

41, 78.328,
333.918

40, 78.991,
334.250

332.117

49, 57.118,
331.523

52, 47.700,
330.921

56, 37.463,
330.313

61, 26.775,
329.704

65, 15.918,
329.098

70, 5.091, 328.475

74, 5.575, 148.004

79, 16.001,
147.424

■ 84, 26.142,
146.892

Harmonies

Complementary

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



46, 65.280, 332.117



64, 66.613, 142.105

Rectangle

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



46, 65.280, 332.117



46, 65.280, 22.117



46, 65.280, 152.117



46, 65.280, 202.117

Sweetspot

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



46, 65.278, 332.117



80, 25.490, 329.376



34, 70.191, 302.703



41, 17.533, 329.545



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



46, 65.278, 332.117



56, 90.253, 332.980



44, 50.164, 359.725



35, 6.166, 328.768



35, 71.301, 334.174



2, 14.224, 330.242

Inverse Universe

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



46, 65.278, 332.117



56, 90.253, 332.980



65, 44.511, 162.863



35, 6.166, 328.768



35, 71.301, 334.174



2, 14.224, 330.242

Previews

White Background



This preview shows how the CIELCh color 46, 65.280, 332.117 looks on a white background.

Color Contrast Check

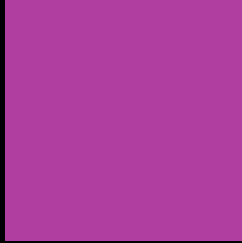
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 65.280, 332.117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

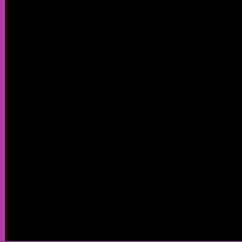
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 65.280, 332.117

Background



This preview shows how black text looks on a background with the CIELCh color 46, 65.280, 332.117.

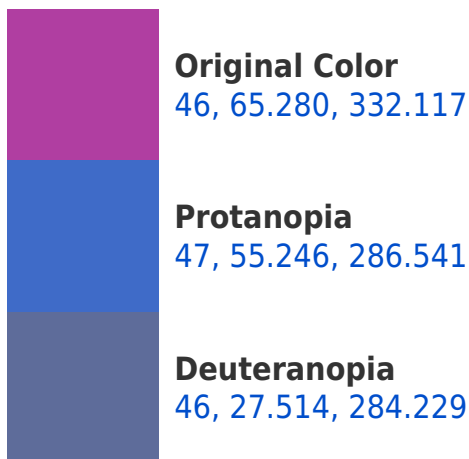


This preview shows how white text looks on a background with the CIELCh color 46, 65.280, 332.117.

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
46, 37.721, 19.957

Trichromacy



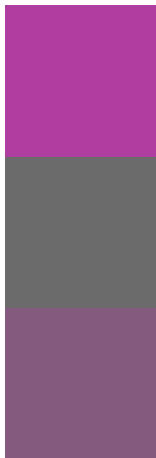
Original Color
46, 65.280, 332.117

Protanomaly
44, 56.801, 301.106

Deuteranomaly
45, 41.051, 311.135

Tritanomaly
46, 43.771, 355.403

Monochromacy



Original Color
46, 65.280, 332.117

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 26.710, 329.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 65.280, 332.117 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(176, 62, 161)` looks like.

```
.text, #text, p{  
    color:rgb(176, 62, 161)  
}
```

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(176, 62, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 62, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 65.280, 332.117 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(176, 62, 161) }
```

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

```
.border{ border-color:rgb(176, 62, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 62, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 62, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 62, 161);  
box-shadow:4px 4px 4px 4px rgb(176, 62,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 65.280, 332.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 62, 161) }
```

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

```
.background{ background-color: rgb(176, 62,  
161) }
```

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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