

Converting Colors

CIELCh(50, 20.446, 336.542)

Have a look what the booklet for
CIELCh(50, 20.446, 336.542)
contains.

CIELCh(50, 20.346, 336.242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 20.346, 336.242)

Conversions

Conversions Part 1

Format	Color
Hex	906C85
RGB	144, 108, 133
RGB Percent	56%, 42%, 52%
CMY	0.4344, 0.5756, 0.4776
CMYK	0.00, 0.25, 0.08, 0.43
HSL	318°, 14%, 49%
HSV	318°, 25%, 57%
XYZ	21.1741, 18.4187, 24.7083
YIQ	121.6140, 13.4310, 15.4070

Conversions

Conversions Part 2

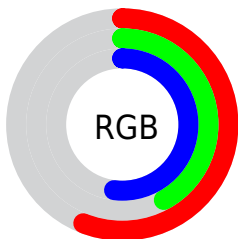
Format	Color
R_{YB}	144, 108, 133
Decimal	9464965
CIE _{Lab}	50.00, 18.62, -8.20
CIE _{LCh}	50, 20.346, 336.242
Yxy	18.4187, 0.3293, 0.2864
Android (android.graphics.Color)	4287655045 (0xFF906C85)
YUV	121.6140, 5.6133, 19.6325
Hunter-Lab	42.9170, 12.9627, -4.0928

Details

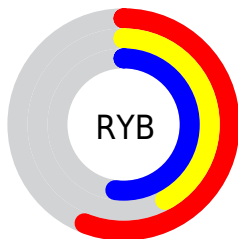
The CIELCh color $50, 20.346, 336.242$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $57, 20.146, 152.629$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 20.074, 336.279$, and $30, 20.179, 336.820$ is the 20% darker color. If you saturate the color by 10%, you get $46, 28.453, 337.026$, and if you desaturate by 10%, it is $54, 12.146, 335.505$.

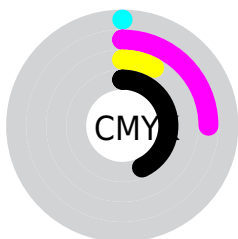
Distribution



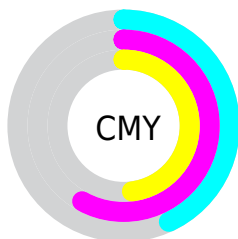
- Red (56%)
- Green (42%)
- Blue (52%)



- Red (56%)
- Yellow (42%)
- Blue (52%)



- Cyan (0%)
- Magenta (25%)
- Yellow (8%)
- Black (43%)





- Cyan (43%)
- Magenta (58%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.346, 336.242 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, 20.346, 336.242 by changing the saturation by 10% instead.


 50, 20.346,
336.242


 50, 20.346,
336.242


 100, 20.346,
336.242


 40, 20.346,
336.242


 70, 20.346,
336.242

 30, 20.346,
336.242


 80, 20.346,
336.242


 20, 20.346,
336.242

 90, 20.346,
336.242

 10, 20.346,
336.242

 0, 20.346, 336.242

 50, 20.346,
336.242

 50, 20.346,
336.242

46, 28.453,
337.026

54, 12.146,
335.505

43, 36.266,
337.867

58, 4.002, 334.775

40, 43.500,
338.786

62, 3.999, 154.264

37, 49.807,
339.809

66, 11.804,
153.611

35, 54.810,
340.978

70, 19.387,
153.029

33, 58.186,
342.350

74, 26.738,
152.485

32, 59.819,
343.992

79, 33.860,
151.974

32, 60.390,
344.862

83, 40.761,
151.493

87, 47.451,
151.041

Harmonies

Complementary

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



50, 20.346, 336.242



57, 20.146, 152.629

Rectangle

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



50, 20.346, 336.242



50, 20.346, 26.242



50, 20.346, 156.242



50, 20.346, 206.242

Sweetspot

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



50, 20.344, 336.243



73, 7.034, 334.942



48, 21.727, 303.392



38, 4.557, 334.978



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



50, 20.344, 336.243



62, 30.438, 336.681



49, 15.555, 5.800



28, 4.527, 335.089



29, 57.669, 344.731



1, 3.035, 334.512

Inverse Universe

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



50, 20.344, 336.243



62, 30.438, 336.681



57, 14.085, 181.043



28, 4.527, 335.089



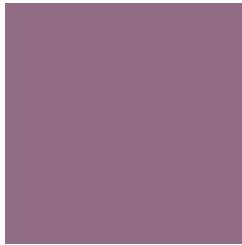
29, 57.669, 344.731



1, 3.035, 334.512

Previews

White Background



This preview shows how the CIELCh color 50, 20.346, 336.242 looks on a white background.

Color Contrast Check

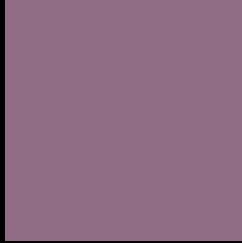
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 20.346, 336.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

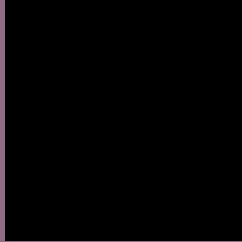
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.346, 336.242

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.346, 336.242.



This preview shows how white text looks on a background with the CIELCh color 50, 20.346, 336.242.

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, 20.346, 336.242

Protanopia

50, 12.901, 286.894

Deuteranopia

50, 10.049, 311.713



Tritanopia
50, 13.584, 1.113

Trichromacy



Original Color
50, 20.346, 336.242

Protanomaly
50, 14.865, 309.841

Deuteranomaly
50, 13.440, 325.187

Tritanomaly
50, 15.663, 350.086

Monochromacy



Original Color
50, 20.346, 336.242

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 7.417, 335.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.346, 336.242 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(144, 108, 133)` looks like.

```
.text, #text, p{  
    color:rgb(144, 108, 133)  
}
```

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(144, 108, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 108, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.346, 336.242 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(144, 108, 133) }
```

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

```
.border{ border-color:rgb(144, 108, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 108, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 108, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 108, 133);  
box-shadow:4px 4px 4px 4px rgb(144, 108,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.346, 336.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 108, 133) }
```

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

```
.background{ background-color: rgb(144,  
108, 133) }
```

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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