

Converting Colors

CIELCh(42, 55.998, 344.094)

Have a look what the booklet for
CIELCh(42, 55.998, 344.094)
contains.

CIELCh(42, 56.032, 344.039)	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(42, 56.032, 344.039)

Conversions

Conversions Part 1

Format	Color
Hex	A9367E
RGB	169, 54, 126
RGB Percent	66%, 21%, 49%
CMY	0.3386, 0.7896, 0.5071
CMYK	0.00, 0.68, 0.25, 0.34
HSL	322°, 52%, 44%
HSV	322°, 68%, 66%
XYZ	21.3354, 12.5000, 20.9207
YIQ	96.5930, 45.4280, 46.7720

Conversions

Conversions Part 2

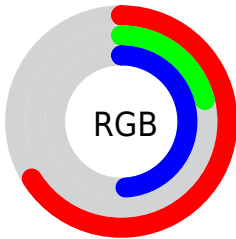
Format	Color
R_{YB}	169, 54, 126
Decimal	11089534
CIE _{Lab}	42.00, 53.87, -15.41
CIE _{LCh}	42, 56.032, 344.039
Yxy	12.5000, 0.3896, 0.2283
Android (android.graphics.Color)	4289279614 (0xFFA9367E)
YUV	96.5930, 14.4977, 63.5009
Hunter-Lab	35.3553, 45.8449, -10.3347

Details

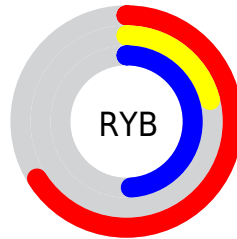
The CIELCh color $42, 56.032, 344.039$ is a dark color, and the websafe version is hex 990066 . A complement of this color would be $62, 55.926, 149.884$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 56.073, 343.872$, and $24, 50.486, 345.249$ is the 20% darker color. If you saturate the color by 10%, you get $40, 60.834, 345.648$, and if you desaturate by 10%, it is $45, 49.620, 342.695$.

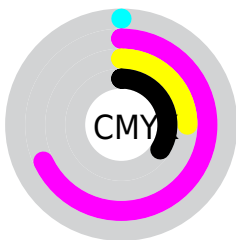
Distribution



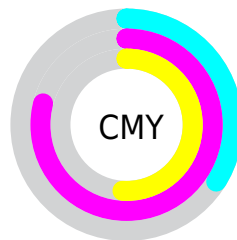
- Red (66%)
- Green (21%)
- Blue (49%)



- Red (66%)
- Yellow (21%)
- Blue (49%)



- Cyan (0%)
- Magenta (68%)
- Yellow (25%)
- Black (34%)





- Cyan (34%)
- Magenta (79%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 56.032, 344.039 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 42, 56.032, 344.039 by changing the saturation by 10% instead.


 42, 56.032,
344.039


 42, 56.032,
344.039


 100, 56.032,
344.039


 32, 56.032,
344.039

 62, 56.032,
344.039


 22, 56.032,
344.039

 72, 56.032,
344.039

 12, 56.032,
344.039

 82, 56.032,
344.039

 2, 56.032, 344.039

 92, 56.032,
344.039

 0, 56.032, 344.039

 42, 56.032,

 42, 56.032,

344.039

344.039

40, 60.834,
345.648

45, 49.620,
342.695

38, 63.727,
347.616

48, 42.032,
341.539

37, 64.844,
350.007

52, 33.683,
340.520

37, 65.006,
350.455

56, 24.927,
339.603

61, 16.025,
338.762

65, 7.158, 337.968

70, 1.559, 157.504

75, 10.060,
156.667

■ 79, 18.311,
156.031

Harmonies

Complementary

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



42, 56.032, 344.039



62, 55.926, 149.884

Rectangle

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



42, 56.032, 344.039



42, 56.032, 34.039



42, 56.032, 164.039



42, 56.032, 214.039

Sweetspot

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



42, 56.029, 344.040



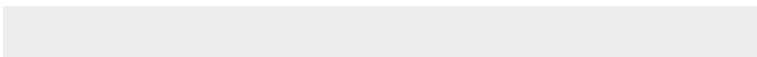
76, 21.847, 338.939



34, 70.719, 308.801



39, 14.900, 339.163



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 56.029, 344.040



51, 76.155, 346.638



40, 51.053, 20.070



33, 4.944, 338.055



32, 59.149, 350.128



2, 8.462, 341.125

Inverse Universe

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



42, 56.029, 344.040



51, 76.155, 346.638



63, 35.437, 182.294



33, 4.944, 338.055



32, 59.149, 350.128



2, 8.462, 341.125

Previews

White Background



This preview shows how the CIELCh color 42, 56.032, 344.039 looks on a white background.

Color Contrast Check

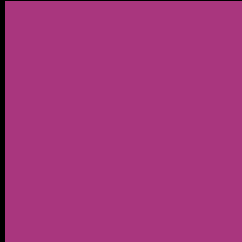
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 56.032, 344.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

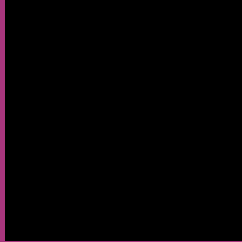
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 56.032, 344.039

Background



This preview shows how black text looks on a background with the CIELCh color 42, 56.032, 344.039.

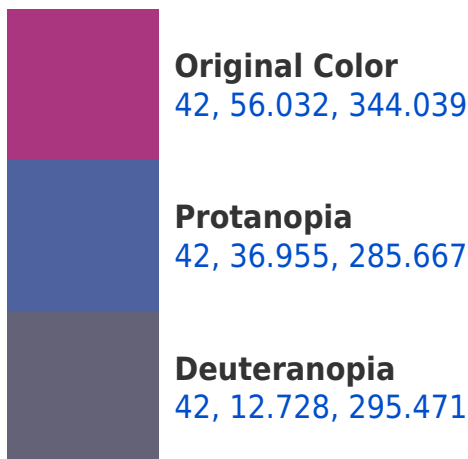


This preview shows how white text looks on a background with the CIELCh color 42, 56.032, 344.039.

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
42, 43.809, 23.923

Trichromacy



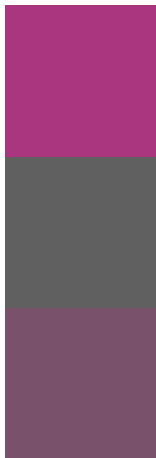
Original Color
42, 56.032, 344.039

Protanomaly
40, 40.693, 309.049

Deuteranomaly
41, 28.808, 328.969

Tritanomaly
42, 45.314, 6.697

Monochromacy



Original Color
42, 56.032, 344.039

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 22.916, 339.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 56.032, 344.039 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(169, 54, 126)` looks like.

```
.text, #text, p{  
    color:rgb(169, 54, 126)  
}
```

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(169, 54, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 54, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 56.032, 344.039 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(169, 54, 126) }
```

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

```
.border{ border-color:rgb(169, 54, 126) }
```

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

Here you see how a box with a 4 pixel rgb(169, 54, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 54, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 54, 126);  
box-shadow:4px 4px 4px 4px rgb(169, 54,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 56.032, 344.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 54, 126) }
```

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

```
.background{ background-color: rgb(169, 54,  
126) }
```

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