

Converting Colors

CIELCh(36, 56.706, 324.016)

Have a look what the booklet for
CIELCh(36, 56.706, 324.016)
contains.

CIELCh(36, 56.807, 323.876)	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(36, 56.807, 323.876)

Conversions

Conversions Part 1

Format	Color
Hex	81348B
RGB	129, 52, 139
RGB Percent	51%, 20%, 55%
CMY	0.4937, 0.7957, 0.4545
CMYK	0.07, 0.63, 0.00, 0.45
HSL	293°, 45%, 37%
HSV	293°, 63%, 55%
XYZ	14.9704, 9.0082, 25.4167
YIQ	84.9410, 17.9650, 43.3810

Conversions

Conversions Part 2

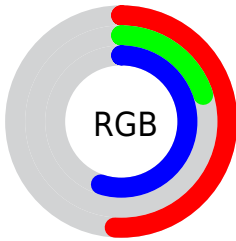
Format	Color
R_{YB}	129, 52, 139
Decimal	8467595
CIE _{Lab}	36.00, 45.89, -33.49
CIE _{LCh}	36, 56.807, 323.876
Yxy	9.0082, 0.3031, 0.1824
Android (android.graphics.Color)	4286657675 (0xFF81348B)
YUV	84.9410, 26.6511, 38.6397
Hunter-Lab	30.0136, 36.5096, -29.1996

Details

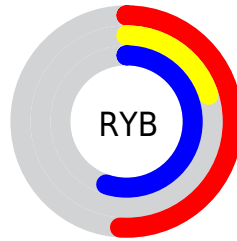
The CIELCh color $36, 56.807, 323.876$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $52, 56.570, 137.056$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 56.569, 323.814$, and $17, 53.650, 323.754$ is the 20% darker color. If you saturate the color by 10%, you get $34, 63.597, 324.066$, and if you desaturate by 10%, it is $39, 48.832, 323.581$.

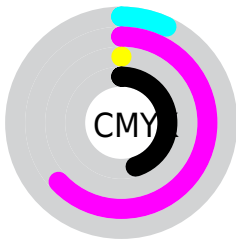
Distribution



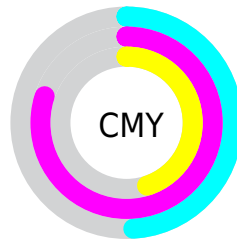
- Red (51%)
- Green (20%)
- Blue (55%)



- Red (51%)
- Yellow (20%)
- Blue (55%)



- Cyan (7%)
- Magenta (63%)
- Yellow (0%)
- Black (45%)





- Cyan (49%)
- Magenta (80%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 56.807, 323.876 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 36, 56.807, 323.876 by changing the saturation by 10% instead.


 36, 56.807,
323.876


 36, 56.807,
323.876

 100, 56.807,
323.876


 26, 56.807,
323.876

 56, 56.807,
323.876


 16, 56.807,
323.876


 66, 56.807,
323.876

 6, 56.807, 323.876

 76, 56.807,
323.876

 0, 56.807, 323.876

 86, 56.807,
323.876

 96, 56.807,
323.876

■ 36, 56.807,
323.876

■ 36, 56.807,
323.876

■ 34, 63.597,
324.066

■ 39, 48.832,
323.581

■ 32, 68.846,
324.121

■ 42, 40.053,
323.208

■ 30, 72.309,
324.021

■ 46, 30.795,
322.783

■ 30, 74.216,
323.892

■ 49, 21.315,
322.328

■ 53, 11.800,
321.857

■ 57, 2.376, 321.335

■ 61, 6.875, 140.983

■ 65, 15.907,
140.535

■ 69, 24.692,
140.119

Harmonies

Complementary

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



36, 56.807, 323.876



52, 56.570, 137.056

Rectangle

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



36, 56.807, 323.876



36, 56.807, 13.876



36, 56.807, 143.876



36, 56.807, 193.876

Sweetspot

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



36, 56.805, 323.876



65, 22.253, 322.182



30, 48.949, 295.388



33, 15.451, 322.301



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



36, 56.805, 323.876



43, 80.037, 324.106



36, 44.830, 343.666



27, 5.253, 321.694



28, 71.678, 323.911



0, 2.422, 321.289

Inverse Universe

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



35, 40.154, 19.397



41, 59.709, 24.046



52, 44.188, 151.356



27, 3.180, 10.619



27, 59.543, 33.641



0, 1.437, 9.938

Previews

White Background



This preview shows how the CIELCh color 36, 56.807, 323.876 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 56.807, 323.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

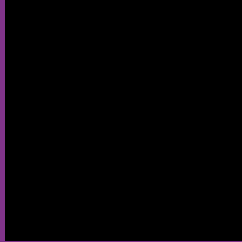
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 56.807, 323.876

Background



This preview shows how black text looks on a background with the CIELCh color 36, 56.807, 323.876.

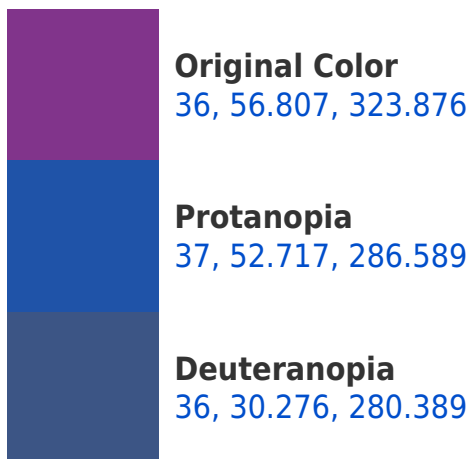


This preview shows how white text looks on a background with the CIELCh color 36, 56.807, 323.876.

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
36, 22.905, 15.720

Trichromacy



Original Color
36, 56.807, 323.876

Protanomaly
35, 52.798, 296.779

Deuteranomaly
35, 38.931, 301.872

Tritanomaly
36, 32.020, 343.694

Monochromacy



Original Color
36, 56.807, 323.876

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 22.844, 322.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 56.807, 323.876 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(129, 52, 139)` looks like.

```
.text, #text, p{  
    color:rgb(129, 52, 139)  
}
```

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(129, 52, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 52, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 56.807, 323.876 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(129, 52, 139) }
```

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

```
.border{ border-color:rgb(129, 52, 139) }
```

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

Here you see how a box with a 4 pixel rgb(129, 52, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 52, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 52, 139);  
box-shadow:4px 4px 4px 4px rgb(129, 52,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 56.807, 323.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 52, 139) }
```

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

```
.background{ background-color: rgb(129, 52,  
139) }
```

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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