

Converting Colors

CIELCh(36, 52.314, 6.279)

Have a look what the booklet for
CIELCh(36, 52.314, 6.279) contains.

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Color

CIELCh(36, 52.568, 6.091)

Conversions

Conversions Part 1

Format	Color
Hex	9E234E
RGB	158, 35, 78
RGB Percent	62%, 14%, 31%
CMY	0.3807, 0.8630, 0.6943
CMYK	0.00, 0.78, 0.51, 0.38
HSL	339°, 64%, 38%
HSV	339°, 78%, 62%
XYZ	16.0578, 9.0082, 8.0892
YIQ	76.6790, 59.5050, 39.4490

Conversions

Conversions Part 2

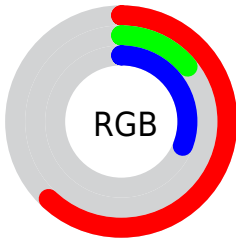
Format	Color
RYB	158, 35, 78
Decimal	10363726
CIELab	36.00, 52.27, 5.58
CIELCh	36, 52.568, 6.091
Yxy	9.0082, 0.4843, 0.2717
Android (android.graphics.Color)	4288553806 (0xFF9E234E)
YUV	76.6790, 0.6513, 71.3185
Hunter-Lab	30.0136, 42.9768, 5.0298

Details

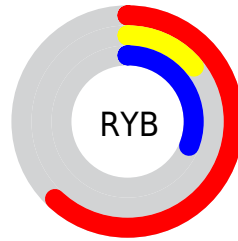
The CIELCh color **36, 52.568, 6.091** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **58, 45.164, 162.883**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 52.502, 5.947**, and **20, 43.230, 14.249** is the 20% darker color. If you saturate the color by 10%, you get **34, 56.438, 10.038**, and if you desaturate by 10%, it is **38, 47.454, 2.960**.

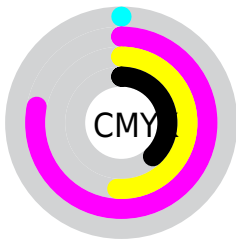
Distribution



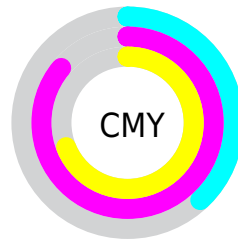
- Red (62%)
- Green (14%)
- Blue (31%)



- Red (62%)
- Yellow (14%)
- Blue (31%)



- Cyan (0%)
- Magenta (78%)
- Yellow (51%)
- Black (38%)



- Cyan (38%)
- Magenta (86%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 52.568, 6.091 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, 52.568, 6.091 by changing the saturation by 10% instead.

 36, 52.568, 6.091  36, 52.568, 6.091

 100, 52.568, 6.091  26, 52.568, 6.091

 56, 52.568, 6.091  16, 52.568, 6.091

 66, 52.568, 6.091  6, 52.568, 6.091

 76, 52.568, 6.091  0, 52.568, 6.091

 86, 52.568, 6.091

 96, 52.568, 6.091

 36, 52.568, 6.091  36, 52.568, 6.091

 34, 56.438, 10.038  38, 47.454, 2.960

 33, 59.281, 14.774  41, 41.309, 0.476

33, 59.906, 15.769

45, 34.454,
358.482

49, 27.216,
356.849

53, 19.856,
355.480

57, 12.560,
354.304

62, 5.444, 353.252

66, 1.428, 172.701

71, 8.027, 171.682

Harmonies

Complementary

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



36, 52.568, 6.091



58, 45.164, 162.883

Rectangle

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



36, 52.568, 6.091



36, 52.568, 56.091



36, 52.568, 186.091



36, 52.568, 236.091

Sweetspot

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



36, 52.565, 6.093



70, 20.266, 354.938



32, 74.060, 316.746



35, 14.201, 355.354



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



36, 52.565, 6.093



44, 71.295, 13.308



38, 54.699, 39.146



31, 3.917, 353.393



30, 55.559, 15.244



1, 4.992, 353.798

Inverse Universe

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



36, 52.565, 6.093



44, 71.295, 13.308



53, 28.654, 219.185



31, 3.917, 353.393



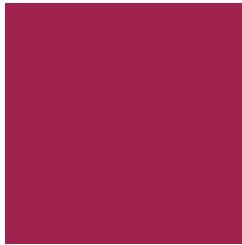
30, 55.559, 15.244



1, 4.992, 353.798

Previews

White Background



This preview shows how the CIELCh color 36, 52.568, 6.091 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 CIE LCh color 36, 52.568, 6.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

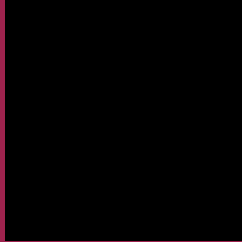
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 52.568, 6.091

Background



This preview shows how black text looks on a background with the CIELCh color 36, 52.568, 6.091.



This preview shows how white text looks on a background with the CIELCh color 36, 52.568, 6.091.

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

36, 52.568, 6.091

Protanopia

37, 12.422, 286.843

Deuteranopia

37, 10.069, 62.146



Tritanopia
36, 53.533, 29.612

Trichromacy



Original Color
36, 52.568, 6.091

Protanomaly
34, 24.707, 339.263

Deuteranomaly
35, 24.917, 12.692

Tritanomaly
36, 52.239, 21.269

Monochromacy



Original Color
36, 52.568, 6.091

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 21.457, 357.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 52.568, 6.091 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(158, 35, 78)` looks like.

```
.text, #text, p{  
    color:rgb(158, 35, 78)  
}
```

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(158, 35, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 35, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 52.568, 6.091 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(158, 35, 78) }
```

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

```
.border{ border-color:rgb(158, 35, 78) }
```

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

Here you see how a box with a 4 pixel rgb(158, 35, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 35, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 35, 78);  
box-shadow:4px 4px 4px 4px rgb(158, 35,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 52.568, 6.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 35, 78) }
```

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

```
.background{ background-color: rgb(158, 35,  
78) }
```

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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