

Converting Colors

CIELCh(35, 60.094, 13.237)

Have a look what the booklet for
CIELCh(35, 60.094, 13.237) contains.

CIELCh(35, 59.996, 12.824)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(35, 59.996, 12.824)

Conversions

Conversions Part 1

Format	Color
Hex	A40A40
RGB	164, 10, 64
RGB Percent	64%, 4%, 25%
CMY	0.3559, 0.9624, 0.7483
CMYK	0.00, 0.94, 0.61, 0.36
HSL	339°, 89%, 34%
HSV	339°, 94%, 64%
XYZ	16.3944, 8.4984, 5.6538
YIQ	62.2020, 74.4500, 49.4420

Conversions

Conversions Part 2

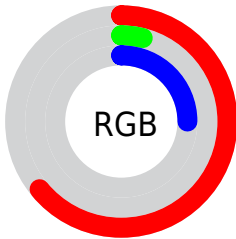
Format	Color
RYB	164, 10, 64
Decimal	10750528
CIELab	35.00, 58.50, 13.32
CIElCh	35, 59.996, 12.824
Yxy	8.4984, 0.5367, 0.2782
Android (android.graphics.Color)	4288940608 (0xFFA40A40)
YUV	62.2020, 0.8864, 89.2768
Hunter-Lab	29.1520, 49.3681, 8.9076

Details

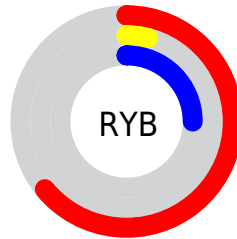
The CIELCh color **35, 59.996, 12.824** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **60, 52.339, 159.341**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 60.072, 13.054**, and **20, 46.917, 25.495** is the 20% darker color. If you saturate the color by 10%, you get **34, 61.637, 15.656**, and if you desaturate by 10%, it is **36, 56.851, 8.293**.

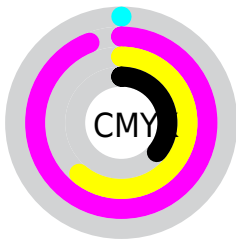
Distribution



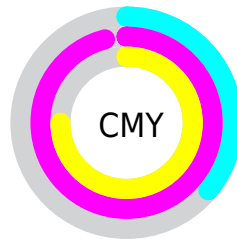
- Red (64%)
- Green (4%)
- Blue (25%)



- Red (64%)
- Yellow (4%)
- Blue (25%)



- Cyan (0%)
- Magenta (94%)
- Yellow (61%)
- Black (36%)



- Cyan (36%)
- Magenta (96%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 59.996, 12.824 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 35, 59.996, 12.824 by changing the saturation by 10% instead.

 35, 59.996, 12.824

 35, 59.996, 12.824

 100, 59.996,
12.824

 25, 59.996, 12.824

 55, 59.996, 12.824

 15, 59.996, 12.824

 65, 59.996, 12.824

 5, 59.996, 12.824

 75, 59.996, 12.824

 0, 59.996, 12.824

 85, 59.996, 12.824

 95, 59.996, 12.824

 35, 59.996, 12.824

 35, 59.996, 12.824

 34, 61.637, 15.656

 36, 56.851, 8.293

■ 38, 52.420, 4.654

■ 41, 46.749, 1.774

■ 44, 40.111,
359.484

■ 48, 32.857,
357.634

■ 52, 25.307,
356.106

■ 56, 17.706,
354.815

■ 61, 10.221,
353.694

■ 66, 2.949, 352.633

Harmonies

Complementary

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



35, 59.996, 12.824



60, 52.339, 159.341

Rectangle

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



35, 59.996, 12.824



35, 59.996, 62.824



35, 59.996, 192.824



35, 59.996, 242.824

Sweetspot

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



35, 59.993, 12.826



70, 25.614, 355.354



30, 85.113, 315.745



34, 17.725, 355.896



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



35, 59.993, 12.826



45, 75.403, 16.795



36, 69.227, 40.886



32, 4.030, 353.185



30, 56.244, 15.036



1, 6.056, 354.604

Inverse Universe

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



35, 59.993, 12.826



45, 75.403, 16.795



55, 31.256, 219.524



32, 4.030, 353.185



30, 56.244, 15.036



1, 6.056, 354.604

Previews

White Background



This preview shows how the CIELCh color 35, 59.996, 12.824 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 35, 59.996, 12.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

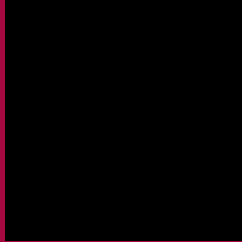
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 59.996, 12.824

Background



This preview shows how black text looks on a background with the CIELCh color 35, 59.996, 12.824.



This preview shows how white text looks on a background with the CIELCh color 35, 59.996, 12.824.

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

35, 59.887, 12.906

Protanopia

36, 5.594, 291.103

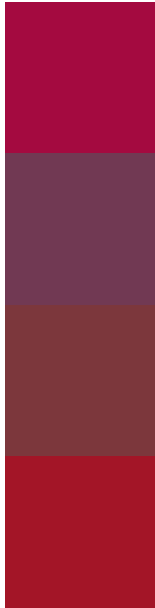
Deuteranopia

36, 17.880, 74.859



Tritanopia
35, 65.224, 35.457

Trichromacy



Original Color
35, 59.887, 12.906

Protanomaly
32, 28.433, 350.800

Deuteranomaly
33, 32.572, 20.626

Tritanomaly
35, 62.323, 28.076

Monochromacy



Original Color
35, 59.887, 12.906

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 27.708, 359.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 59.996, 12.824 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(164, 10, 64)` looks like.

```
.text, #text, p{  
    color:rgb(164, 10, 64)  
}
```

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(164, 10, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 10, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 59.996, 12.824 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(164, 10, 64) }
```

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

```
.border{ border-color:rgb(164, 10, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 10, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 10, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 10, 64);  
box-shadow:4px 4px 4px 4px rgb(164, 10,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 59.996, 12.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 10, 64) }
```

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

```
.background{ background-color: rgb(164, 10,  
64) }
```

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