

Converting Colors

CIELCh(11, 54.064, 317.253)

Have a look what the booklet for
CIELCh(11, 54.064, 317.253)
contains.

CIELCh(12, 52.251, 316.832)	3
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Color

CIELCh(12, 52.251, 316.832)

Conversions

Conversions Part 1

Format	Color
Hex	360152
RGB	54, 1, 82
RGB Percent	21%, 0%, 32%
CMY	0.7885, 0.9970, 0.6788
CMYK	0.34, 0.99, 0.00, 0.68
HSL	279°, 98%, 16%
HSV	279°, 99%, 32%
XYZ	3.0449, 1.4064, 8.0735
YIQ	26.0810, 5.5870, 36.4270

Conversions

Conversions Part 2

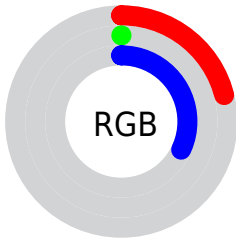
Format	Color
R_{YB}	54, 1, 82
Decimal	3539282
CIE _{Lab}	12.00, 38.11, -35.75
CIE _{LCh}	12, 52.251, 316.832
Yxy	1.4064, 0.2431, 0.1123
Android (android.graphics.Color)	4281729362 (0xFF360152)
YUV	26.0810, 27.5681, 24.4850
Hunter-Lab	11.8591, 25.0777, -32.0626

Details

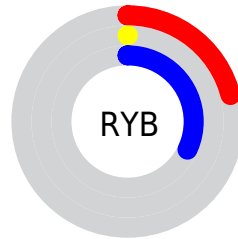
The CIELCh color **12, 52.251, 316.832** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **30, 48.989, 131.056**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 52.006, 316.912**, and **1, 21.748, 291.824** is the 20% darker color. If you saturate the color by 10%, you get **12, 52.642, 316.844**, and if you desaturate by 10%, it is **14, 48.368, 316.839**.

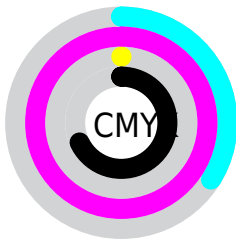
Distribution



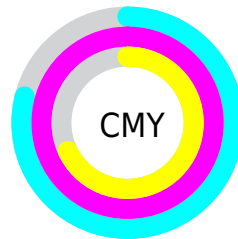
- Red (21%)
- Green (0%)
- Blue (32%)



- Red (21%)
- Yellow (0%)
- Blue (32%)



- Cyan (34%)
- Magenta (99%)
- Yellow (0%)
- Black (68%)



- Cyan (79%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 52.251, 316.832 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 12, 52.251, 316.832 by changing the saturation by 10% instead.

■ 12, 52.251,
316.832

■ 12, 52.251,
316.832

■ 100, 52.251,
316.832

■ 2, 52.251, 316.832

■ 32, 52.251,
316.832

■ 0, 52.251, 316.832

■ 42, 52.251,
316.832


■ 52, 52.251,
316.832


■ 62, 52.251,
316.832


■ 72, 52.251,
316.832


■ 82, 52.251,

316.832


 92, 52.251,
316.832


 12, 52.251,
316.832


 12, 52.251,
316.832


 12, 52.642,
316.844

 14, 48.368,
316.839

 15, 44.461,
316.912

 17, 39.707,
316.799

 19, 34.363,
316.552

 22, 28.663,
316.220

■ 24, 22.787,
315.838

■ 27, 16.862,
315.435

■ 30, 10.971,
315.029

■ 32, 5.169, 314.627

Harmonies

Complementary

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



12, 52.251, 316.832



30, 48.989, 131.056

Rectangle

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



12, 52.251, 316.832



12, 52.251, 6.832



12, 52.251, 136.832



12, 52.251, 186.832

Sweetspot

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



12, 52.251, 316.832



35, 21.742, 315.516



13, 37.706, 291.969



16, 14.682, 315.612



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



12, 52.251, 316.832



17, 63.579, 316.498



17, 45.245, 334.550



15, 3.171, 314.613



17, 62.495, 316.526



42, 112.574, 315.843

Inverse Universe

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



15, 36.913, 11.589



21, 45.017, 13.935



30, 48.610, 139.056



15, 2.237, 353.607



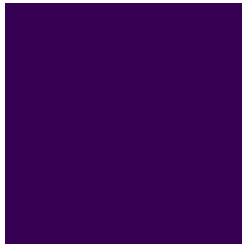
20, 44.238, 13.766



49, 80.422, 17.877

Previews

White Background



This preview shows how the CIELCh color 12, 52.251, 316.832 looks on a white background.

Color Contrast Check

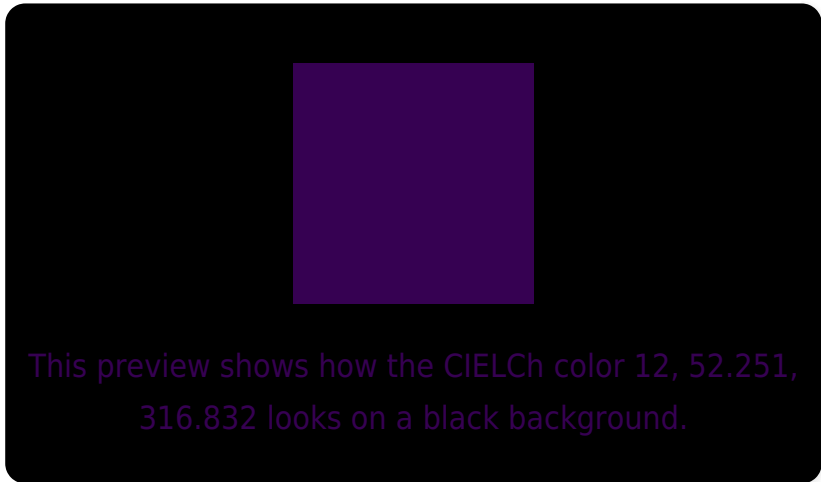
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

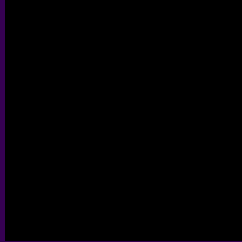
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 52.251, 316.832

Background



This preview shows how black text looks on a background with the CIELCh color 12, 52.251, 316.832.



This preview shows how white text looks on a background with the CIELCh color 12, 52.251, 316.832.

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

12, 52.180, 316.799

Protanopia

13, 28.245, 282.261

Deuteranopia

14, 20.142, 266.939



Tritanopia
14, 6.761, 9.213

Trichromacy



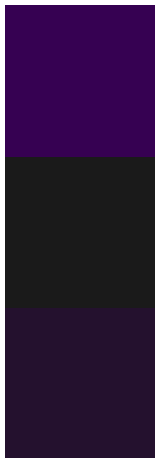
Original Color
12, 52.180, 316.799

Protanomaly
11, 38.856, 299.874

Deuteranomaly
11, 33.312, 297.586

Tritanomaly
12, 23.919, 323.977

Monochromacy



Original Color
12, 52.180, 316.799

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 22.658, 316.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 52.251, 316.832 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(54, 1, 82)` looks like.

```
.text, #text, p{  
    color:rgb(54, 1, 82)  
}
```

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(54, 1, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 1, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 52.251, 316.832 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(54, 1, 82) }
```

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

```
.border{ border-color:rgb(54, 1, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 1, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 1, 82); -webkit-box-shadow:4px  
4px 4px 4px rgb(54, 1, 82); box-shadow:4px  
4px 4px 4px rgb(54, 1, 82) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 52.251, 316.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 1, 82) }
```

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

```
.background{ background-color: rgb(54, 1,  
82) }
```

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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