

Converting Colors

CIELCh(2, 86.406, 322.515)

Have a look what the booklet for
CIELCh(2, 86.406, 322.515) contains.

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Color

CIELCh(12, 52.885, 316.248)

Conversions

Conversions Part 1

Format	Color
Hex	350153
RGB	53, 1, 83
RGB Percent	21%, 0%, 33%
CMY	0.7916, 0.9964, 0.6741
CMYK	0.36, 0.99, 0.00, 0.67
HSL	278°, 98%, 16%
HSV	278°, 99%, 33%
XYZ	3.0502, 1.4064, 8.3137
YIQ	25.8960, 4.6700, 36.5260

Conversions

Conversions Part 2

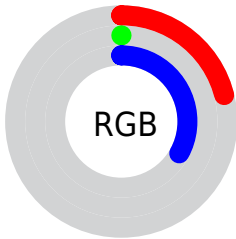
Format	Color
R_{YB}	53, 1, 83
Decimal	3473747
CIE _{Lab}	12.00, 38.20, -36.57
CIE _{LCh}	12, 52.885, 316.248
Yxy	1.4064, 0.2388, 0.1101
Android (android.graphics.Color)	4281663827 (0xFF350153)
YUV	25.8960, 28.1523, 23.7702
Hunter-Lab	11.8591, 25.1571, -33.2633

Details

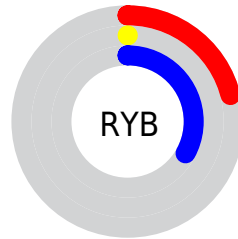
The CIELCh color **12, 52.885, 316.248** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **31, 49.174, 130.612**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 52.495, 316.292**, and **1, 22.542, 292.093** is the 20% darker color. If you saturate the color by 10%, you get **12, 53.361, 316.264**, and if you desaturate by 10%, it is **14, 48.937, 316.255**.

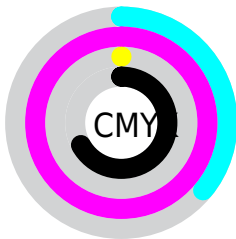
Distribution



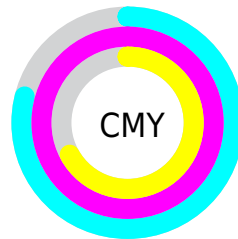
- Red (21%)
- Green (0%)
- Blue (33%)



- Red (21%)
- Yellow (0%)
- Blue (33%)



- Cyan (36%)
- Magenta (99%)
- Yellow (0%)
- Black (67%)




- Cyan (79%)
- Magenta (100%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 52.885, 316.248 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, 52.885, 316.248 by changing the saturation by 10% instead.

 12, 52.885,
316.248

 12, 52.885,
316.248


 100, 52.885,
316.248


 2, 52.885, 316.248

 32, 52.885,
316.248

 0, 52.885, 316.248

 42, 52.885,
316.248


 52, 52.885,
316.248


 62, 52.885,
316.248


 72, 52.885,
316.248


 82, 52.885,

316.248


 92, 52.885,
316.248


 12, 52.885,
316.248


 12, 52.885,
316.248


 12, 53.361,
316.264

 14, 48.937,
316.255

 15, 44.924,
316.322

 17, 40.059,
316.196

 20, 34.613,
315.935

 22, 28.826,
315.591

■ 25, 22.876,
315.199

■ 27, 16.890,
314.789

■ 30, 10.948,
314.377

■ 33, 5.102, 313.973

Harmonies

Complementary

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



12, 52.885, 316.248



31, 49.174, 130.612

Rectangle

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



12, 52.885, 316.248



12, 52.885, 6.248



12, 52.885, 136.248



12, 52.885, 186.248

Sweetspot

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



12, 52.885, 316.248



35, 21.656, 314.876



13, 37.047, 290.891



16, 14.626, 314.972



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, 52.885, 316.248



17, 63.815, 315.928



17, 46.193, 333.753



15, 3.156, 313.965



16, 62.726, 315.957



41, 113.033, 315.254

Inverse Universe

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



15, 37.145, 9.881



21, 44.828, 12.106



30, 49.494, 138.686



15, 2.262, 352.306



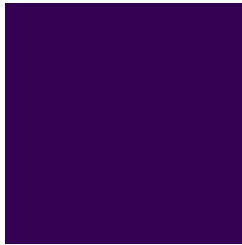
21, 44.058, 11.941



49, 79.853, 15.970

Previews

White Background



This preview shows how the CIE LCh color 12, 52.885, 316.248 looks on a white background.

Color Contrast Check

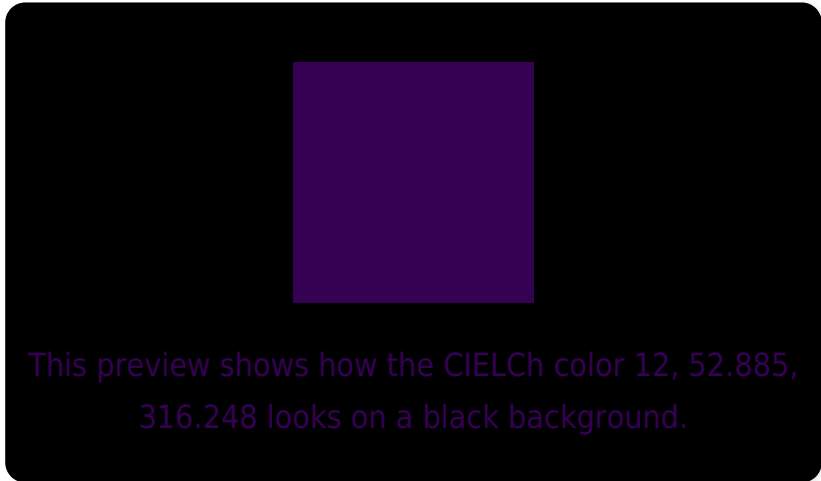
Large Text (above 18pt) WCAG AA ✓ Pass

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

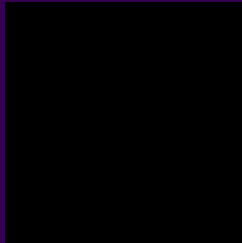
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 52.885, 316.248

Background



This preview shows how black text looks on a background with the CIELCh color 12, 52.885, 316.248.



This preview shows how white text looks on a background with the CIELCh color 12, 52.885, 316.248.

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, 52.809, 316.213

Protanopia

13, 27.595, 281.531

Deuteranopia

14, 19.579, 265.457



Tritanopia
14, 6.401, 1.808

Trichromacy



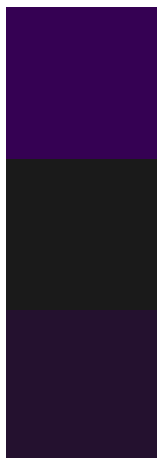
Original Color
12, 52.809, 316.213

Protanomaly
11, 38.885, 299.579

Deuteranomaly
11, 33.336, 297.200

Tritanomaly
12, 24.366, 322.124

Monochromacy



Original Color
12, 52.809, 316.213

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 23.299, 315.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 52.885, 316.248 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(53, 1, 83)` looks like.

```
.text, #text, p{  
    color:rgb(53, 1, 83)  
}
```

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(53, 1, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 1, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 52.885, 316.248 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(53, 1, 83) }
```

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

```
.border{ border-color:rgb(53, 1, 83) }
```

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

Here you see how a box with a 4 pixel rgb(53, 1, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 1, 83); -webkit-box-shadow:4px  
4px 4px 4px rgb(53, 1, 83); box-shadow:4px  
4px 4px 4px rgb(53, 1, 83) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 52.885, 316.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 1, 83) }
```

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

```
.background{ background-color: rgb(53, 1,  
83) }
```

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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