

Converting Colors

CIELCh(12, 51.035, 308.566)

Have a look what the booklet for
CIELCh(12, 51.035, 308.566)
contains.

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Color

CIELCh(12, 51.247, 308.660)

Conversions

Conversions Part 1

Format	Color
Hex	260D58
RGB	38, 13, 88
RGB Percent	15%, 5%, 35%
CMY	0.8508, 0.9489, 0.6548
CMYK	0.57, 0.85, 0.00, 0.65
HSL	260°, 74%, 20%
HSV	260°, 85%, 35%
XYZ	2.7075, 1.4064, 9.3680
YIQ	29.0250, -9.1750, 28.6250

Conversions

Conversions Part 2

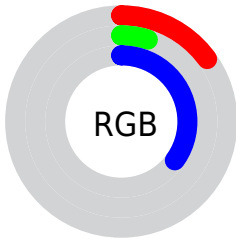
Format	Color
RYB	38, 13, 88
Decimal	2493784
CIELab	12.00, 32.01, -40.02
CIELCh	12, 51.247, 308.660
Yxy	1.4064, 0.2008, 0.1043
Android (android.graphics.Color)	4280683864 (0xFF260D58)
YUV	29.0250, 29.0747, 7.8711
Hunter-Lab	11.8591, 20.0001, -38.5346

Details

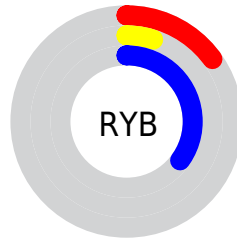
The CIELCh color **12, 51.247, 308.660** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **34, 42.711, 119.959**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 51.609, 308.861**, and **2, 24.403, 291.542** is the 20% darker color. If you saturate the color by 10%, you get **10, 56.194, 309.126**, and if you desaturate by 10%, it is **14, 45.759, 308.116**.

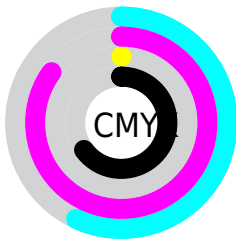
Distribution



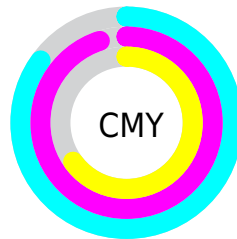
- Red (15%)
- Green (5%)
- Blue (35%)



- Red (15%)
- Yellow (5%)
- Blue (35%)



- Cyan (57%)
- Magenta (85%)
- Yellow (0%)
- Black (65%)




- Cyan (85%)
- Magenta (95%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 51.247, 308.660 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, 51.247, 308.660 by changing the saturation by 10% instead.

 12, 51.247,
308.660


 12, 51.247,
308.660


 100, 51.247,
308.660


 2, 51.247, 308.660

 32, 51.247,
308.660

 0, 51.247, 308.660

 42, 51.247,
308.660

 52, 51.247,
308.660

 62, 51.247,
308.660

 72, 51.247,
308.660

 82, 51.247,

308.660

■ 92, 51.247,
308.660

■ 12, 51.247,
308.660

■ 12, 51.247,
308.660

■ 10, 56.194,
309.126

■ 14, 45.759,
308.116

■ 9, 58.906, 309.542

■ 17, 39.689,
307.412

■ 20, 33.375,
306.644

■ 23, 27.026,
305.876

■ 26, 20.761,
305.144

■ 29, 14.641,
304.468

■ 33, 8.695, 303.854

■ 36, 2.930, 303.299

■ 39, 2.652, 122.838

Harmonies

Complementary

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



12, 51.247, 308.660



34, 42.711, 119.959

Rectangle

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



12, 51.247, 308.660



12, 51.247, 358.660



12, 51.247, 128.660



12, 51.247, 178.660

Sweetspot

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



12, 51.247, 308.661



38, 18.844, 304.576



25, 20.524, 252.263



18, 12.918, 304.718



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



12, 51.247, 308.661



14, 71.233, 309.206



18, 49.263, 322.425



16, 3.130, 303.492



12, 67.763, 309.285



33, 121.422, 308.641

Inverse Universe

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



19, 39.418, 343.379



24, 50.580, 346.358



32, 49.012, 134.995



16, 2.915, 336.192



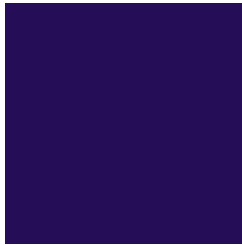
22, 48.234, 346.170



52, 84.669, 347.818

Previews

White Background



This preview shows how the CIELCh color 12, 51.247, 308.660 looks on a white background.

Color Contrast Check

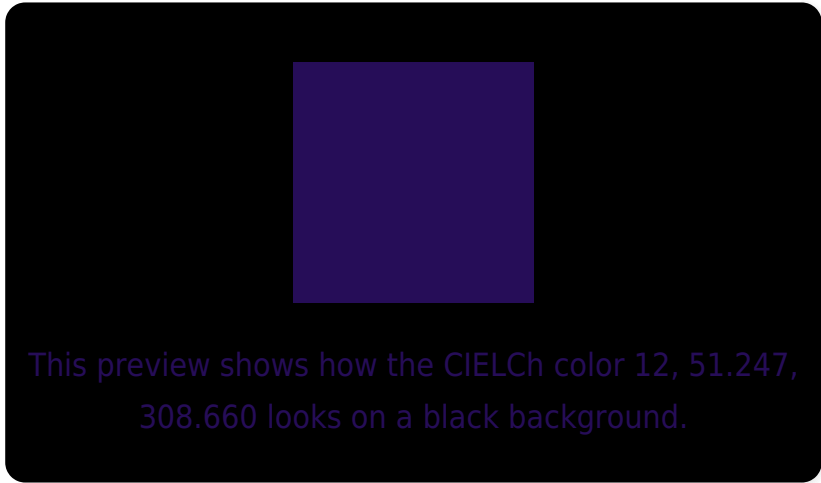
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.247, 308.660

Background



This preview shows how black text looks on a background with the CIELCh color 12, 51.247, 308.660.



This preview shows how white text looks on a background with the CIELCh color 12, 51.247, 308.660.

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, 51.247, 308.660

Protanopia

12, 26.399, 281.202

Deuteranopia

12, 18.919, 266.207



Tritanopia
13, 7.399, 214.941

Trichromacy



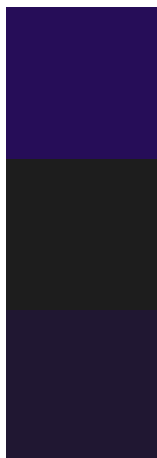
Original Color
12, 51.247, 308.660

Protanomaly
11, 36.048, 295.958

Deuteranomaly
11, 31.206, 293.402

Tritanomaly
12, 21.050, 294.347

Monochromacy



Original Color
12, 51.247, 308.660

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 20.222, 306.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 51.247, 308.660 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(38, 13, 88)` looks like.

```
.text, #text, p{  
    color:rgb(38, 13, 88)  
}
```

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(38, 13, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 13, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 51.247, 308.660 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(38, 13, 88) }
```

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

```
.border{ border-color:rgb(38, 13, 88) }
```

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

Here you see how a box with a 4 pixel rgb(38, 13, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 13, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 13, 88);  
box-shadow:4px 4px 4px 4px rgb(38, 13, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 51.247, 308.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 13, 88) }
```

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

```
.background{ background-color: rgb(38, 13,  
88) }
```

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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