

Converting Colors

CIELCh(12, 56.379, 306.683)

Have a look what the booklet for
CIELCh(12, 56.379, 306.683)
contains.

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Color

CIELCh(12, 56.340, 306.626)

Conversions

Conversions Part 1

Format	Color
Hex	1F0D60
RGB	31, 13, 96
RGB Percent	12%, 5%, 38%
CMY	0.8798, 0.9501, 0.6246
CMYK	0.68, 0.87, 0.00, 0.62
HSL	253°, 77%, 21%
HSV	253°, 87%, 38%
XYZ	2.7934, 1.4064, 11.1220
YIQ	27.8440, -15.9150, 29.6290

Conversions

Conversions Part 2

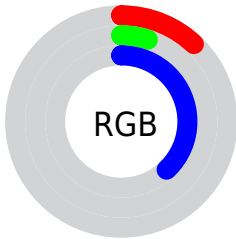
Format	Color
R_{YB}	31, 13, 96
Decimal	2035040
CIE Lab	12.00, 33.61, -45.22
CIE LCh	12, 56.340, 306.626
Yxy	1.4064, 0.1823, 0.0918
Android (android.graphics.Color)	4280225120 (0xFF1F0D60)
YUV	27.8440, 33.6009, 2.7678
Hunter-Lab	11.8591, 21.2929, -47.3039




Details

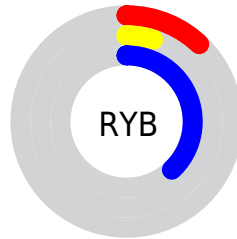
The CIELCh color **12, 56.340, 306.626** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **38, 44.833, 114.607**, and the grayscale version is **10, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 56.724, 306.754**, and **3, 29.467, 293.910** is the 20% darker color. If you saturate the color by 10%, you get **10, 61.737, 307.474**, and if you desaturate by 10%, it is **15, 50.335, 305.720**.

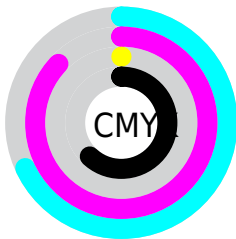
Distribution







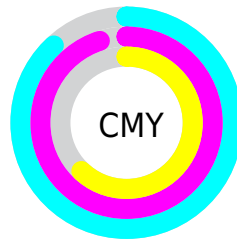
-  Red (12%)
-  Green (5%)
-  Blue (38%)






-  Red (12%)
-  Yellow (5%)
-  Blue (38%)



-  Cyan (68%)
-  Magenta (87%)
-  Yellow (0%)
-  Black (62%)



-  Cyan (88%)
-  Magenta (95%)
-  Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 56.340, 306.626 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, 56.340, 306.626 by changing the saturation by 10% instead.

■ 12, 56.340,
306.626

■ 12, 56.340,
306.626

■ 100, 56.340,
306.626

■ 2, 56.340, 306.626

■ 32, 56.340,
306.626

■ 0, 56.340, 306.626

■ 42, 56.340,
306.626


■ 52, 56.340,
306.626


■ 62, 56.340,
306.626


■ 72, 56.340,
306.626


■ 82, 56.340,


306.626

 92, 56.340,
306.626


 12, 56.340,
306.626


 12, 56.340,
306.626


 10, 61.737,
307.474


 15, 50.335,
305.720

 9, 63.748, 307.892

 18, 43.648,
304.639

 21, 36.722,
303.516

 24, 29.811,
302.433

 28, 23.043,
301.431

■ 31, 16.475,
300.529

■ 35, 10.124,
299.729

■ 38, 3.992, 299.025

■ 42, 1.928, 118.418

Harmonies

Complementary

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



12, 56.340, 306.626



38, 44.833, 114.607

Rectangle

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



12, 56.340, 306.626



12, 56.340, 356.626



12, 56.340, 126.626



12, 56.340, 176.626

Sweetspot

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



12, 56.341, 306.627



41, 19.984, 300.539



31, 20.230, 229.227



19, 13.709, 300.740



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



12, 56.341, 306.627



14, 77.269, 307.647



18, 53.458, 318.184



18, 3.390, 299.172



12, 71.453, 307.737



32, 125.723, 307.284

Inverse Universe

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



21, 45.598, 337.102



27, 57.960, 338.702



35, 51.186, 132.281



18, 3.485, 331.577



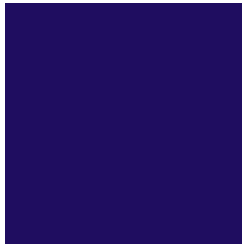
24, 53.760, 338.556



54, 93.090, 339.367

Previews

White Background



This preview shows how the CIELCh color 12, 56.340, 306.626 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 12, 56.340, 306.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

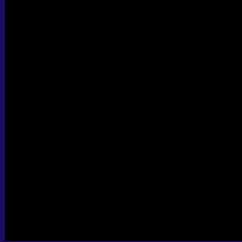
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 56.340, 306.626

Background



This preview shows how black text looks on a background with the CIELCh color 12, 56.340, 306.626.



This preview shows how white text looks on a background with the CIELCh color 12, 56.340, 306.626.

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, 56.340, 306.626

Protanopia

12, 26.399, 281.202

Deuteranopia

12, 18.919, 266.207



Tritanopia
12, 12.936, 203.024

Trichromacy



Original Color
12, 56.340, 306.626

Protanomaly
11, 38.113, 295.983

Deuteranomaly
11, 33.313, 293.486

Tritanomaly
11, 23.555, 285.508

Monochromacy



Original Color
12, 56.340, 306.626

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 23.042, 303.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 56.340, 306.626 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(31, 13, 96)` looks like.

```
.text, #text, p{  
    color:rgb(31, 13, 96)  
}
```

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(31, 13, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 13, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 56.340, 306.626 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(31, 13, 96) }
```

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

```
.border{ border-color:rgb(31, 13, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 13, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 13, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 13, 96);  
box-shadow:4px 4px 4px 4px rgb(31, 13, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 56.340, 306.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 13, 96) }
```

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

```
.background{ background-color: rgb(31, 13,  
96) }
```

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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