

Converting Colors

CIELCh(12, 39.754, 307.615)

Have a look what the booklet for
CIELCh(12, 39.754, 307.615)
contains.

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Color

CIELCh(12, 39.755, 307.615)

Conversions

Conversions Part 1

Format	Color
Hex	26144C
RGB	38, 20, 76
RGB Percent	15%, 8%, 30%
CMY	0.8527, 0.9231, 0.7037
CMYK	0.50, 0.74, 0.00, 0.70
HSL	259°, 59%, 19%
HSV	259°, 74%, 30%
XYZ	2.3159, 1.4064, 6.9078
YIQ	31.7660, -7.2480, 21.2320

Conversions

Conversions Part 2

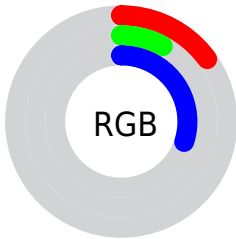
Format	Color
RYB	38, 20, 76
Decimal	2495564
CIELab	12.00, 24.26, -31.49
CIELCh	12, 39.755, 307.615
Yxy	1.4064, 0.2179, 0.1323
Android (android.graphics.Color)	4280685644 (0xFF26144C)
YUV	31.7660, 21.8074, 5.4672
Hunter-Lab	11.8591, 14.1052, -26.2346




Details

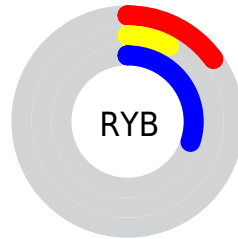
The CIELCh color **12, 39.755, 307.615** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **30, 34.098, 119.339**, and the grayscale version is **12, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 39.901, 307.483**, and **1, 16.932, 288.878** is the 20% darker color. If you saturate the color by 10%, you get **10, 44.809, 308.244**, and if you desaturate by 10%, it is **14, 34.301, 306.867**.

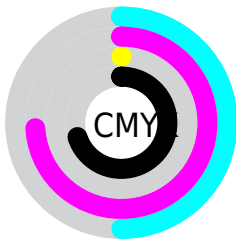
Distribution







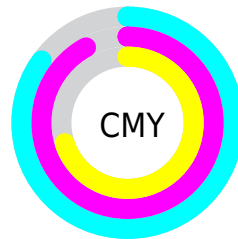
-  Red (15%)
-  Green (8%)
-  Blue (30%)






-  Red (15%)
-  Yellow (8%)
-  Blue (30%)



-  Cyan (50%)
-  Magenta (74%)
-  Yellow (0%)
-  Black (70%)



-  Cyan (85%)
-  Magenta (92%)
-  Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 39.755, 307.615 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, 39.755, 307.615 by changing the saturation by 10% instead.

■ 12, 39.755,
307.615

■ 12, 39.755,
307.615

■ 100, 39.755,
307.615

■ 2, 39.755, 307.615

■ 32, 39.755,
307.615

■ 0, 39.755, 307.615

■ 42, 39.755,
307.615


■ 52, 39.755,
307.615


■ 62, 39.755,
307.615


■ 72, 39.755,
307.615


■ 82, 39.755,


307.615

 92, 39.755,
307.615


 12, 39.755,
307.615

 12, 39.755,
307.615


 10, 44.809,
308.244


 14, 34.301,
306.867


 8, 49.617, 308.880

 17, 28.702,
306.081

 6, 52.588, 309.301

 20, 23.112,
305.310

 23, 17.615,
304.583

 25, 12.253,
303.915

■ 28, 7.046, 303.310

■ 31, 1.998, 302.761

■ 34, 2.892, 122.306

■ 37, 7.629, 121.879

Harmonies

Complementary

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



12, 39.755, 307.615



30, 34.098, 119.339

Rectangle

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



12, 39.755, 307.615



12, 39.755, 357.615



12, 39.755, 127.615



12, 39.755, 177.615

Sweetspot

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



12, 39.755, 307.616



34, 14.053, 303.840



23, 16.303, 245.161



16, 9.539, 303.923



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



12, 39.755, 307.616



13, 58.588, 308.596



16, 39.690, 321.845



14, 2.807, 303.010



11, 65.577, 309.151



32, 119.682, 308.474

Inverse Universe

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



17, 32.525, 341.000



21, 44.300, 343.373



28, 39.111, 135.215



14, 2.644, 335.630



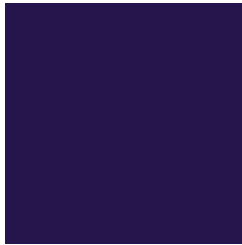
21, 47.006, 345.126



51, 83.930, 346.777

Previews

White Background



This preview shows how the CIELCh color 12, 39.755, 307.615 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, 39.755, 307.615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

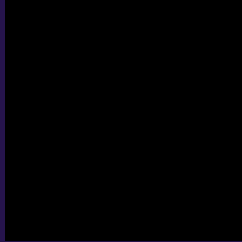
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 39.755, 307.615

Background



This preview shows how black text looks on a background with the CIELCh color 12, 39.755, 307.615.



This preview shows how white text looks on a background with the CIELCh color 12, 39.755, 307.615.

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, 39.755, 307.615

Protanopia

12, 25.797, 281.024

Deuteranopia

12, 18.891, 266.998



Tritanopia
13, 3.918, 220.320

Trichromacy



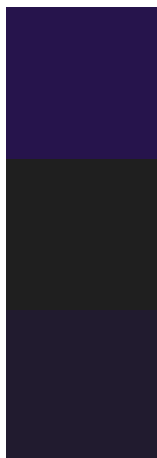
Original Color
12, 39.755, 307.615

Protanomaly
11, 30.429, 292.445

Deuteranomaly
11, 26.223, 289.223

Tritanomaly
12, 15.274, 296.153

Monochromacy



Original Color
12, 39.755, 307.615

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 14.867, 304.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 39.755, 307.615 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, 20, 76)` looks like.

```
.text, #text, p{  
    color:rgb(38, 20, 76)  
}
```

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, 20, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 20, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 39.755, 307.615 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, 20, 76) }
```

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

```
.border{ border-color:rgb(38, 20, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 20, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 20, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 20, 76);  
box-shadow:4px 4px 4px 4px rgb(38, 20, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 39.755, 307.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 20, 76) }
```

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

```
.background{ background-color: rgb(38, 20,  
76) }
```

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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