

Converting Colors

CIELCh(0, 88.852, 323.027)

Have a look what the booklet for
CIELCh(0, 88.852, 323.027) contains.

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Color

CIELCh(11, 51.551, 316.270)

Conversions

Conversions Part 1

Format	Color
Hex	32004F
RGB	50, 0, 79
RGB Percent	20%, 0%, 31%
CMY	0.8026, 0.9990, 0.6890
CMYK	0.37, 1.00, 0.00, 0.69
HSL	278°, 99%, 16%
HSV	278°, 100%, 31%
XYZ	2.7571, 1.2610, 7.5558
YIQ	23.9560, 4.4410, 35.1690

Conversions

Conversions Part 2

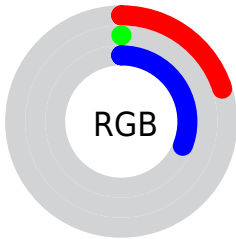
Format	Color
R_{YB}	50, 0, 79
Decimal	3276879
CIE _{Lab}	11.00, 37.25, -35.64
CIE _{LCh}	11, 51.551, 316.270
Yxy	1.2610, 0.2382, 0.1090
Android (android.graphics.Color)	4281466959 (0xFF32004F)
YUV	23.9560, 27.1367, 22.8406
Hunter-Lab	11.2295, 24.1752, -32.0328

Details

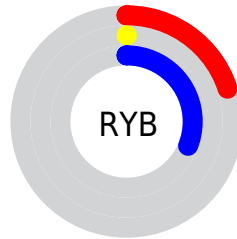
The CIELCh color **11, 51.551, 316.270** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **29, 47.821, 130.432**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 51.483, 316.406**, and **1, 18.521, 289.455** is the 20% darker color. If you saturate the color by 10%, you get **11, 51.689, 316.277**, and if you desaturate by 10%, it is **13, 47.511, 316.204**.

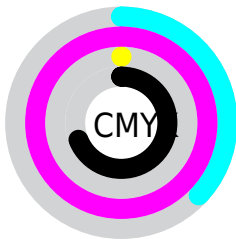
Distribution



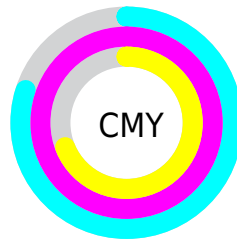
- Red (20%)
- Green (0%)
- Blue (31%)



- Red (20%)
- Yellow (0%)
- Blue (31%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (69%)





- Cyan (80%)
- Magenta (100%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 51.551, 316.270 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 11, 51.551, 316.270 by changing the saturation by 10% instead.

 11, 51.551,
316.270


 11, 51.551,
316.270


 100, 51.551,
316.270


 1, 51.551, 316.270


 31, 51.551,
316.270

 0, 51.551, 316.270

 41, 51.551,
316.270


 51, 51.551,
316.270


 61, 51.551,
316.270


 71, 51.551,
316.270


 81, 51.551,


316.270


 91, 51.551,
316.270


 11, 51.551,
316.270


 11, 51.551,
316.270


 11, 51.689,
316.277

 13, 47.511,
316.204

 14, 43.629,
316.262

 16, 38.961,
316.141

 18, 33.733,
315.884

 21, 28.173,
315.543

■ 23, 22.453,
315.155

■ 26, 16.694,
314.747

■ 28, 10.975,
314.338

■ 31, 5.345, 313.935

Harmonies

Complementary

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



11, 51.551, 316.270



29, 47.821, 130.432

Rectangle

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



11, 51.551, 316.270



11, 51.551, 6.270



11, 51.551, 136.270



11, 51.551, 186.270

Sweetspot

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



11, 51.551, 316.270



33, 20.792, 314.803



12, 35.943, 290.809



15, 14.028, 314.892



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



11, 51.551, 316.270



16, 61.656, 315.930



16, 44.959, 333.751



15, 3.154, 313.898



16, 62.750, 315.899



41, 113.080, 315.195

Inverse Universe

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



14, 36.169, 9.549



20, 43.269, 11.581



29, 48.027, 138.748



15, 2.265, 352.175



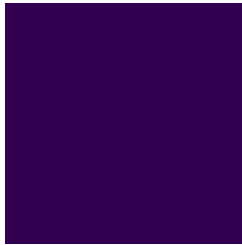
21, 44.042, 11.753



49, 79.801, 15.773

Previews

White Background



This preview shows how the CIELCh color 11, 51.551, 316.270 looks on a white background.

Color Contrast Check

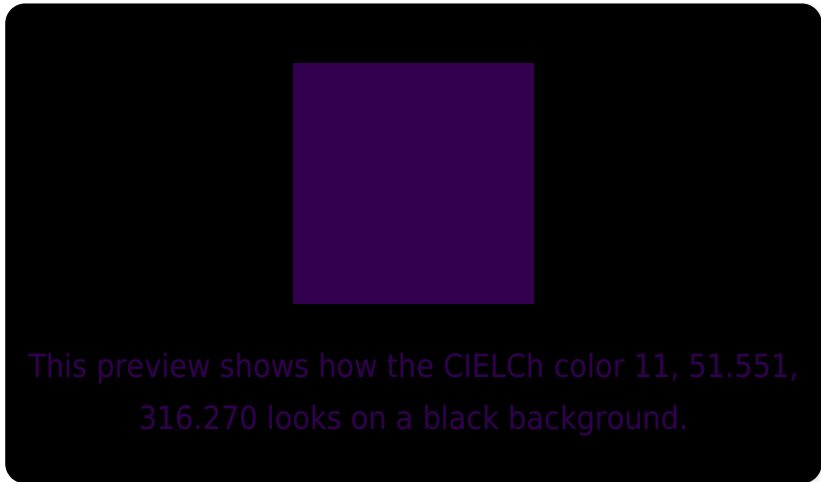
Large Text (above 18pt) WCAG AA ✓ Pass

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 11, 51.551, 316.270

Background



This preview shows how black text looks on a background with the CIELCh color 11, 51.551, 316.270.



This preview shows how white text looks on a background with the CIELCh color 11, 51.551, 316.270.

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

11, 51.551, 316.270

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 18.951, 265.425



Tritanopia
13, 5.274, 5.187

Trichromacy



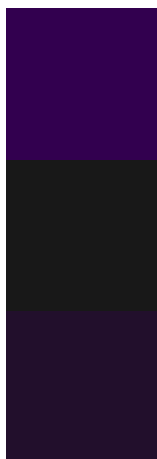
Original Color
11, 51.551, 316.270

Protanomaly
10, 37.689, 299.483

Deuteranomaly
10, 32.196, 297.583

Tritanomaly
11, 23.593, 320.923

Monochromacy



Original Color
11, 51.551, 316.270

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 22.776, 316.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 51.551, 316.270 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(50, 0, 79)` looks like.

```
.text, #text, p{  
    color:rgb(50, 0, 79)  
}
```

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(50, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 0, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 51.551, 316.270 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(50, 0, 79) }
```

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

```
.border{ border-color:rgb(50, 0, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 0, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 0, 79); -webkit-box-shadow:4px  
4px 4px 4px rgb(50, 0, 79); box-shadow:4px  
4px 4px 4px rgb(50, 0, 79) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 51.551, 316.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 0, 79) }
```

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

```
.background{ background-color: rgb(50, 0,  
79) }
```

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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