

Converting Colors

CIELCh(11, 53.785, 314.322)

Have a look what the booklet for
CIELCh(11, 53.785, 314.322)
contains.

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Color

CIELCh(11, 53.496, 314.262)

Conversions

Conversions Part 1

Format	Color
Hex	2F0153
RGB	47, 1, 83
RGB Percent	18%, 0%, 33%
CMY	0.8149, 0.9955, 0.6738
CMYK	0.43, 0.99, 0.00, 0.67
HSL	274°, 97%, 17%
HSV	274°, 99%, 33%
XYZ	2.7618, 1.2610, 8.3182
YIQ	24.1020, 1.0940, 35.2540

Conversions

Conversions Part 2

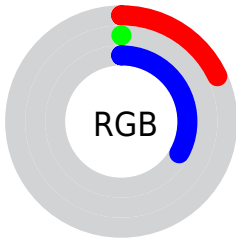
Format	Color
R_{YB}	47, 1, 83
Decimal	3080531
CIE _{Lab}	11.00, 37.34, -38.31
CIE _{LCh}	11, 53.496, 314.262
Yxy	1.2610, 0.2238, 0.1022
Android (android.graphics.Color)	4281270611 (0xFF2F0153)
YUV	24.1020, 29.0367, 20.0815
Hunter-Lab	11.2295, 24.2488, -36.0582

Details

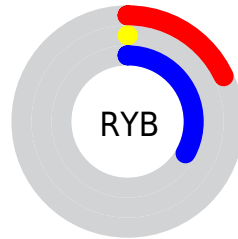
The CIELCh color **11, 53.496, 314.262** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **31, 48.093, 128.611**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 53.541, 314.408**, and **2, 21.685, 290.735** is the 20% darker color. If you saturate the color by 10%, you get **11, 54.145, 314.302**, and if you desaturate by 10%, it is **13, 49.243, 314.177**.

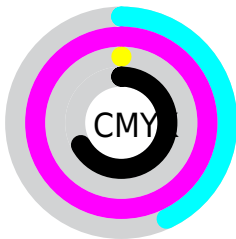
Distribution



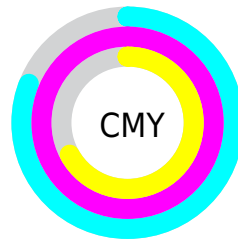
- Red (18%)
- Green (0%)
- Blue (33%)



- Red (18%)
- Yellow (0%)
- Blue (33%)



- Cyan (43%)
- Magenta (99%)
- Yellow (0%)
- Black (67%)



- Cyan (81%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 53.496, 314.262 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, 53.496, 314.262 by changing the saturation by 10% instead.

■ 11, 53.496,
314.262

■ 11, 53.496,
314.262

■ 100, 53.496,
314.262

■ 1, 53.496, 314.262

■ 31, 53.496,
314.262

■ 0, 53.496, 314.262

■ 41, 53.496,
314.262


■ 51, 53.496,
314.262


■ 61, 53.496,
314.262


■ 71, 53.496,
314.262


■ 81, 53.496,


314.262


 91, 53.496,
314.262


 11, 53.496,
314.262

 11, 53.496,
314.262


 11, 54.145,
314.302

 13, 49.243,
314.177

 15, 44.961,
314.177

 17, 39.876,
313.978

 19, 34.283,
313.647

 22, 28.421,
313.242

■ 25, 22.457,
312.802

■ 27, 16.502,
312.356

■ 30, 10.624,
311.919

■ 33, 4.863, 311.499

Harmonies

Complementary

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



11, 53.496, 314.262



31, 48.093, 128.611

Rectangle

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



11, 53.496, 314.262



11, 53.496, 4.262



11, 53.496, 134.262



11, 53.496, 184.262

Sweetspot

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



11, 53.496, 314.262



35, 21.357, 312.461



16, 31.921, 284.278



15, 14.431, 312.566



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



11, 53.496, 314.262



16, 64.747, 313.940



18, 49.012, 330.111



15, 3.101, 311.502



15, 63.638, 313.971



39, 114.829, 313.218

Inverse Universe

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



16, 37.114, 3.240



21, 44.602, 5.257



30, 51.358, 137.126



15, 2.367, 347.725



21, 43.853, 5.112



50, 78.671, 8.702

Previews

White Background



This preview shows how the CIELCh color 11, 53.496, 314.262 looks on a white background.

Color Contrast Check

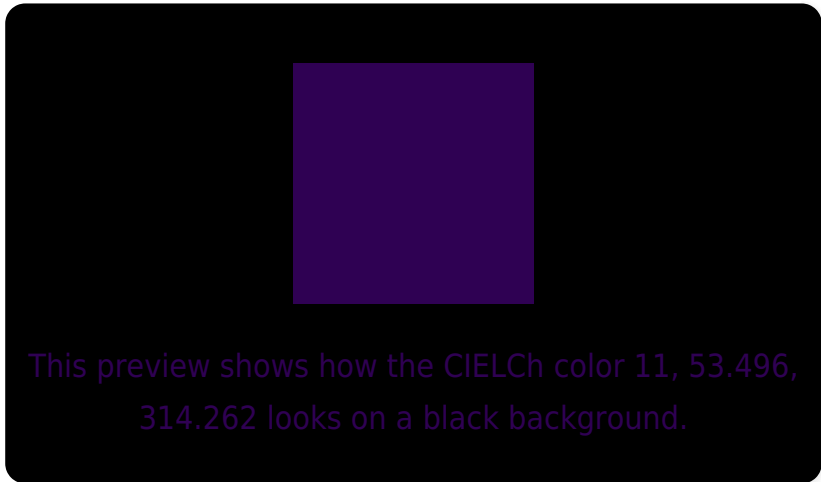
Large Text (above 18pt) WCAG AA ✓ Pass

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

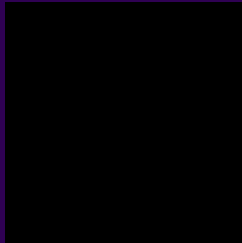
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 53.496, 314.262

Background



This preview shows how black text looks on a background with the CIELCh color 11, 53.496, 314.262.



This preview shows how white text looks on a background with the CIELCh color 11, 53.496, 314.262.

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, 53.496, 314.262

Protanopia

12, 26.399, 281.202

Deuteranopia

13, 18.951, 265.425



Tritanopia
13, 2.936, 332.858

Trichromacy



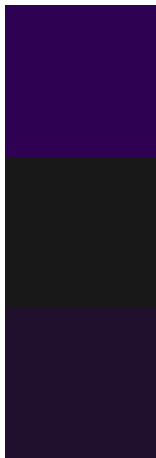
Original Color
11, 53.496, 314.262

Protanomaly
10, 38.380, 299.337

Deuteranomaly
10, 32.802, 296.813

Tritanomaly
11, 24.315, 314.542

Monochromacy



Original Color
11, 53.496, 314.262

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 23.180, 312.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 53.496, 314.262 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(47, 1, 83)` looks like.

```
.text, #text, p{  
    color:rgb(47, 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(47, 1, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 1, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 53.496, 314.262 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(47, 1, 83) }
```

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

```
.border{ border-color:rgb(47, 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(47, 1, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 1, 83); -webkit-box-shadow:4px  
4px 4px 4px rgb(47, 1, 83); box-shadow:4px  
4px 4px 4px rgb(47, 1, 83) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 53.496, 314.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 1, 83) }
```

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

```
.background{ background-color: rgb(47, 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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