

Converting Colors

CIELCh(13, 55.911, 302.040)

Have a look what the booklet for
CIELCh(13, 55.911, 302.040)
contains.

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Color

CIELCh(13, 55.376, 301.835)

Conversions

Conversions Part 1

Format	Color
Hex	0E1565
RGB	14, 21, 101
RGB Percent	5%, 8%, 40%
CMY	0.9458, 0.9180, 0.6043
CMYK	0.86, 0.79, 0.00, 0.60
HSL	235°, 76%, 22%
HSV	235°, 86%, 40%
XYZ	2.7884, 1.5625, 12.4394
YIQ	28.0270, -29.8520, 23.3960

Conversions

Conversions Part 2

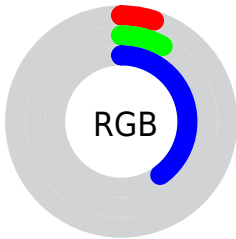
Format	Color
R_{YB}	14, 20, 101
Decimal	922981
CIE _{Lab}	13.00, 29.21, -47.05
CIE _{LCh}	13, 55.376, 301.835
Yxy	1.5625, 0.1661, 0.0931
Android (android.graphics.Color)	4279113061 (0xFF0E1565)
YUV	28.0270, 35.9757, -12.3017
Hunter-Lab	12.5000, 17.9439, -50.2527

Details

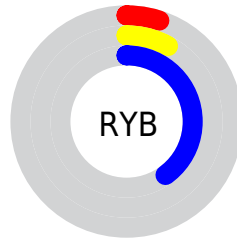
The CIELCh color **13, 55.376, 301.835** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **39, 42.939, 98.642**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 55.714, 301.982**, and **3, 32.980, 295.720** is the 20% darker color. If you saturate the color by 10%, you get **11, 61.264, 303.786**, and if you desaturate by 10%, it is **16, 48.668, 299.528**.

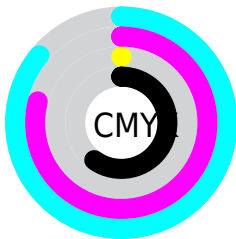
Distribution



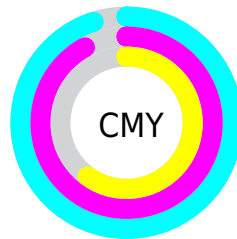
- Red (5%)
- Green (8%)
- Blue (40%)



- Red (5%)
- Yellow (8%)
- Blue (40%)



- Cyan (86%)
- Magenta (79%)
- Yellow (0%)
- Black (60%)



- Cyan (95%)
- Magenta (92%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 55.376, 301.835 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 13, 55.376, 301.835 by changing the saturation by 10% instead.

■ 13, 55.376,
301.835

■ 13, 55.376,
301.835

■ 100, 55.376,
301.835

■ 3, 55.376, 301.835

■ 33, 55.376,
301.835

■ 0, 55.376, 301.835

■ 43, 55.376,
301.835


■ 53, 55.376,
301.835


■ 63, 55.376,
301.835


■ 73, 55.376,
301.835


■ 83, 55.376,


301.835


 93, 55.376,
301.835


 13, 55.376,
301.835


 13, 55.376,
301.835


 11, 61.264,
303.786


 16, 48.668,
299.528

 10, 63.173,
304.321

 19, 41.694,
297.189

 22, 34.782,
294.984

 26, 28.071,
292.996

 30, 21.600,
291.249

■ 33, 15.368,
289.736

■ 37, 9.362, 288.434

■ 40, 3.564, 287.323

■ 44, 2.039, 106.312

Harmonies

Complementary

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



13, 55.376, 301.835



39, 42.939, 98.642

Rectangle

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



13, 55.376, 301.835



13, 55.376, 351.835



13, 55.376, 121.835



13, 55.376, 171.835

Sweetspot

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



13, 55.377, 301.836



43, 18.722, 289.795



38, 25.789, 186.221



20, 12.847, 290.142



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



13, 55.377, 301.836



15, 76.996, 304.807



15, 57.209, 310.553



19, 3.211, 287.596



12, 69.828, 304.582



32, 125.051, 305.489

Inverse Universe

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



21, 43.049, 29.127



26, 59.711, 35.194



39, 48.977, 123.475



19, 2.455, 13.237



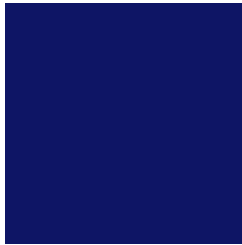
22, 53.874, 34.062



51, 97.218, 37.414

Previews

White Background



This preview shows how the CIELCh color 13, 55.376, 301.835 looks on a white background.

Color Contrast Check

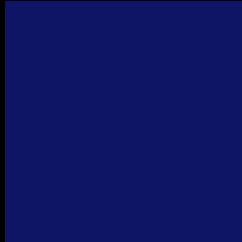
Large Text (above 18pt) WCAG AA ✓ Pass

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 13, 55.376, 301.835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

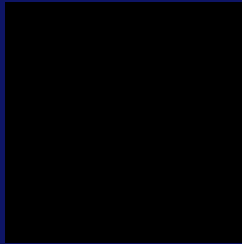
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 55.376, 301.835

Background



This preview shows how black text looks on a background with the CIELCh color 13, 55.376, 301.835.



This preview shows how white text looks on a background with the CIELCh color 13, 55.376, 301.835.

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


13, 55.376, 301.835

Protanopia

13, 26.948, 280.765

Deuteranopia

13, 18.987, 264.653



Tritanopia
13, 13.350, 202.769

Trichromacy



Original Color
13, 55.376, 301.835

Protanomaly
13, 37.805, 292.962

Deuteranomaly
13, 31.626, 288.370

Tritanomaly
12, 22.936, 278.918

Monochromacy



Original Color
13, 55.376, 301.835

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 22.034, 295.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 55.376, 301.835 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(14, 21, 101)` looks like.

```
.text, #text, p{  
    color:rgb(14, 21, 101)  
}
```

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(14, 21, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 21, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 55.376, 301.835 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(14, 21, 101) }
```

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

```
.border{ border-color:rgb(14, 21, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 21, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 21, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 21, 101);  
box-shadow:4px 4px 4px 4px rgb(14, 21,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 55.376, 301.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 21, 101) }
```

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

```
.background{ background-color: rgb(14, 21,  
101) }
```

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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