

Converting Colors

CIELCh(13, 47.646, 299.768)

Have a look what the booklet for
CIELCh(13, 47.646, 299.768)
contains.

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Color

CIELCh(13, 47.766, 299.953)

Conversions

Conversions Part 1

Format	Color
Hex	11185C
RGB	17, 24, 92
RGB Percent	7%, 9%, 36%
CMY	0.9347, 0.9046, 0.6376
CMYK	0.82, 0.74, 0.00, 0.64
HSL	234°, 69%, 21%
HSV	234°, 82%, 36%
XYZ	2.5076, 1.5625, 10.3875
YIQ	29.6590, -26.0000, 19.6640

Conversions

Conversions Part 2

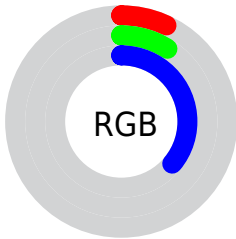
Format	Color
RYB	17, 23, 92
Decimal	1120348
CIELab	13.00, 23.85, -41.39
CIELCh	13, 47.766, 299.953
Yxy	1.5625, 0.1734, 0.1081
Android (android.graphics.Color)	4279310428 (0xFF11185C)
YUV	29.6590, 30.7341, -11.1019
Hunter-Lab	12.5000, 13.9342, -40.5200

Details

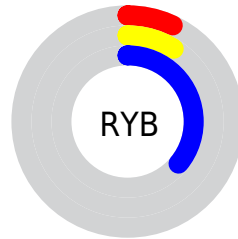
The CIELCh color **13, 47.766, 299.953** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **36, 38.308, 97.825**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 47.779, 300.086**, and **2, 27.548, 293.137** is the 20% darker color. If you saturate the color by 10%, you get **11, 53.730, 302.233**, and if you desaturate by 10%, it is **16, 41.438, 297.557**.

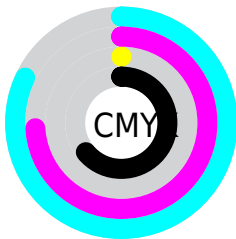
Distribution



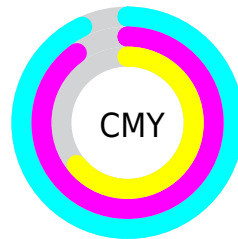
- Red (7%)
- Green (9%)
- Blue (36%)



- Red (7%)
- Yellow (9%)
- Blue (36%)



- Cyan (82%)
- Magenta (74%)
- Yellow (0%)
- Black (64%)



- Cyan (93%)
- Magenta (90%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 47.766, 299.953 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, 47.766, 299.953 by changing the saturation by 10% instead.

■ 13, 47.766,
299.953

■ 13, 47.766,
299.953

■ 100, 47.766,
299.953

■ 3, 47.766, 299.953

■ 33, 47.766,
299.953

■ 0, 47.766, 299.953

■ 43, 47.766,
299.953


■ 53, 47.766,
299.953


■ 63, 47.766,
299.953


■ 73, 47.766,
299.953


■ 83, 47.766,


299.953

 93, 47.766,
299.953


 13, 47.766,
299.953


 13, 47.766,
299.953


 11, 53.730,
302.233


 16, 41.438,
297.557

 9, 57.974, 303.610

 19, 35.096,
295.248

 22, 28.905,
293.135

 25, 22.921,
291.259

 29, 17.153,
289.622

■ 32, 11.589,
288.207

■ 35, 6.216, 286.991

■ 39, 1.019, 285.987

■ 42, 4.014, 105.001

Harmonies

Complementary

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



13, 47.766, 299.953



36, 38.308, 97.825

Rectangle

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



13, 47.766, 299.953



13, 47.766, 349.953



13, 47.766, 119.953



13, 47.766, 169.953

Sweetspot

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



13, 47.766, 299.954



40, 16.429, 288.719



35, 24.277, 183.019



19, 11.343, 289.049



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



13, 47.766, 299.954



14, 70.110, 303.959



14, 51.327, 309.660



17, 2.875, 286.644



12, 66.386, 304.058



31, 121.682, 305.175

Inverse Universe

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



19, 37.794, 25.701



24, 54.485, 33.117



36, 43.823, 121.986



17, 2.251, 11.626



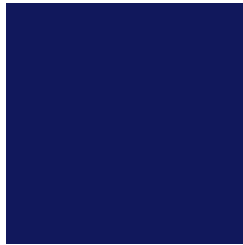
21, 51.430, 32.716



50, 94.573, 36.476

Previews

White Background



This preview shows how the CIELCh color 13, 47.766, 299.953 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 CIELCh color 13, 47.766, 299.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

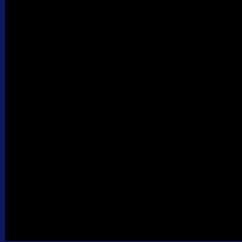
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 47.766, 299.953

Background



This preview shows how black text looks on a background with the CIELCh color 13, 47.766, 299.953.



This preview shows how white text looks on a background with the CIELCh color 13, 47.766, 299.953.

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, 47.737, 300.120

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 18.987, 264.653



Tritanopia
13, 13.144, 202.894

Trichromacy



Original Color
13, 47.737, 300.120

Protanomaly
13, 34.365, 290.901

Deuteranomaly
13, 28.855, 285.944

Tritanomaly
12, 19.677, 273.214

Monochromacy



Original Color
13, 47.737, 300.120

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 18.225, 292.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 47.766, 299.953 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(17, 24, 92)` looks like.

```
.text, #text, p{  
    color:rgb(17, 24, 92)  
}
```

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(17, 24, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 24, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 47.766, 299.953 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(17, 24, 92) }
```

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

```
.border{ border-color:rgb(17, 24, 92) }
```

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

Here you see how a box with a 4 pixel rgb(17, 24, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 24, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 24, 92);  
box-shadow:4px 4px 4px 4px rgb(17, 24, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 47.766, 299.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 24, 92) }
```

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

```
.background{ background-color: rgb(17, 24,  
92) }
```

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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