

Converting Colors

CIELCh(13, 44.466, 301.094)

Have a look what the booklet for
CIELCh(13, 44.466, 301.094)
contains.

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Color

CIELCh(13, 44.966, 301.396)

Conversions

Conversions Part 1

Format	Color
Hex	191858
RGB	25, 24, 88
RGB Percent	10%, 9%, 35%
CMY	0.9021, 0.9060, 0.6550
CMYK	0.72, 0.73, 0.00, 0.66
HSL	241°, 57%, 22%
HSV	241°, 73%, 34%
XYZ	2.4863, 1.5625, 9.3965
YIQ	31.5950, -19.9480, 20.1160

Conversions

Conversions Part 2

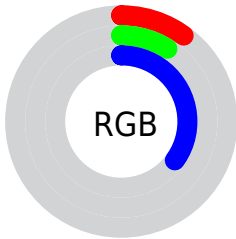
Format	Color
RYB	25, 24, 88
Decimal	1644632
CIELab	13.00, 23.43, -38.38
CIELCh	13, 44.966, 301.396
Yxy	1.5625, 0.1849, 0.1162
Android (android.graphics.Color)	4279834712 (0xFF191858)
YUV	31.5950, 27.8077, -5.7838
Hunter-Lab	12.5000, 13.6291, -35.8196

Details

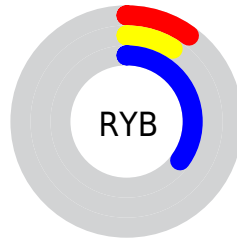
The CIELCh color **13, 44.966, 301.396** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **36, 36.493, 104.912**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 45.386, 301.467**, and **2, 24.403, 291.542** is the 20% darker color. If you saturate the color by 10%, you get **10, 51.294, 303.295**, and if you desaturate by 10%, it is **16, 38.291, 299.436**.

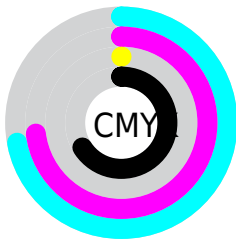
Distribution



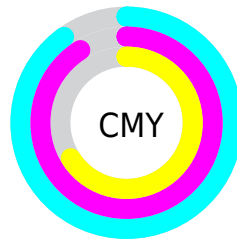
- Red (10%)
- Green (9%)
- Blue (35%)



- Red (10%)
- Yellow (9%)
- Blue (35%)



- Cyan (72%)
- Magenta (73%)
- Yellow (0%)
- Black (66%)



- Cyan (90%)
- Magenta (91%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 44.966, 301.396 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, 44.966, 301.396 by changing the saturation by 10% instead.

■ 13, 44.966,
301.396

■ 13, 44.966,
301.396

■ 100, 44.966,
301.396

■ 3, 44.966, 301.396

■ 33, 44.966,
301.396

■ 0, 44.966, 301.396

■ 43, 44.966,
301.396

■ 53, 44.966,
301.396


■ 63, 44.966,
301.396


■ 73, 44.966,
301.396


■ 83, 44.966,

301.396

 93, 44.966,
301.396


 13, 44.966,
301.396

 13, 44.966,
301.396


 10, 51.294,
303.295


 16, 38.291,
299.436


 8, 56.866, 304.983

 19, 31.629,
297.570

 6, 61.035, 306.133

 23, 25.143,
295.881

 26, 18.886,
294.392

 30, 12.867,
293.100

■ 33, 7.077, 291.989

■ 36, 1.501, 291.048

■ 40, 3.875, 110.194

■ 43, 9.065, 109.489

Harmonies

Complementary

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



13, 44.966, 301.396



36, 36.493, 104.912

Rectangle

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



13, 44.966, 301.396



13, 44.966, 351.396



13, 44.966, 121.396



13, 44.966, 171.396

Sweetspot

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



13, 44.966, 301.397



39, 15.493, 293.098



34, 20.321, 196.730



18, 10.525, 293.292



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



13, 44.966, 301.397



14, 66.582, 304.479



16, 44.048, 312.349



16, 3.048, 291.591



10, 70.573, 306.374



29, 125.564, 306.321

Inverse Universe

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



22, 44.299, 328.168



27, 60.223, 328.603



34, 39.794, 126.317



16, 3.647, 325.273



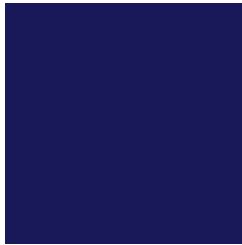
24, 60.337, 328.825



55, 107.176, 328.866

Previews

White Background



This preview shows how the CIELCh color 13, 44.966, 301.396 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, 44.966, 301.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

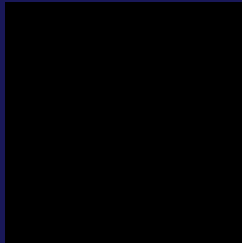
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 44.966, 301.396

Background



This preview shows how black text looks on a background with the CIELCh color 13, 44.966, 301.396.



This preview shows how white text looks on a background with the CIELCh color 13, 44.966, 301.396.

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, 44.966, 301.396

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 19.519, 266.967



Tritanopia
13, 13.042, 206.247

Trichromacy



Original Color
13, 44.966, 301.396

Protanomaly
13, 33.637, 291.206

Deuteranomaly
12, 28.178, 286.920

Tritanomaly
12, 18.874, 273.621

Monochromacy



Original Color
13, 44.966, 301.396

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 16.697, 295.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 44.966, 301.396 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(25, 24, 88)` looks like.

```
.text, #text, p{  
    color:rgb(25, 24, 88)  
}
```

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(25, 24, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 24, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 44.966, 301.396 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(25, 24, 88) }
```

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

```
.border{ border-color:rgb(25, 24, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 24, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 24, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 24, 88);  
box-shadow:4px 4px 4px 4px rgb(25, 24, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 44.966, 301.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 24, 88) }
```

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

```
.background{ background-color: rgb(25, 24,  
88) }
```

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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