

Converting Colors

CIELCh(30, 13.706, 264.749)

Have a look what the booklet for
CIELCh(30, 13.706, 264.749)
contains.

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Color

CIELCh(30, 13.994, 266.002)

Conversions

Conversions Part 1

Format	Color
Hex	37485C
RGB	55, 72, 92
RGB Percent	22%, 28%, 36%
CMY	0.7839, 0.7173, 0.6388
CMYK	0.40, 0.22, 0.00, 0.64
HSL	212°, 25%, 29%
HSV	212°, 40%, 36%
XYZ	5.8400, 6.2359, 11.0433
YIQ	69.1970, -16.5520, 2.6160

Conversions

Conversions Part 2

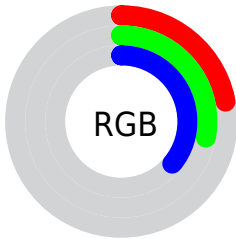
Format	Color
RYB	55, 67, 92
Decimal	3623004
CIELab	30.00, -0.98, -13.96
CIElCh	30, 13.994, 266.002
Yxy	6.2359, 0.2526, 0.2697
Android (android.graphics.Color)	4281813084 (0xFF37485C)
YUV	69.1970, 11.2419, -12.4508
Hunter-Lab	24.9718, -1.9561, -8.7397

Details

The CIELCh color **30, 13.994, 266.002** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 15.137, 74.869**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 14.049, 266.161**, and **10, 13.783, 265.220** is the 20% darker color. If you saturate the color by 10%, you get **28, 17.422, 268.275**, and if you desaturate by 10%, it is **32, 10.539, 264.054**.

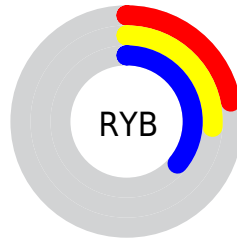
Distribution



Red (22%)

Green (28%)

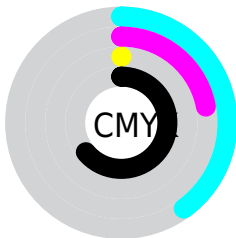
Blue (36%)



Red (22%)

Yellow (26%)

Blue (36%)

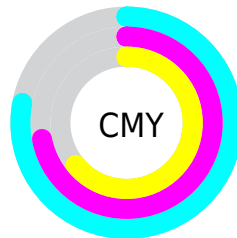


Cyan (40%)

Magenta (22%)

Yellow (0%)

Black (64%)



Cyan (78%)

Magenta (72%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 13.994, 266.002 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 30, 13.994, 266.002 by changing the saturation by 10% instead.

■ 30, 13.994,
266.002

■ 30, 13.994,
266.002

■ 100, 13.994,
266.002

■ 20, 13.994,
266.002

■ 50, 13.994,
266.002

■ 10, 13.994,
266.002

■ 60, 13.994,
266.002

■ 0, 13.994, 266.002

■ 70, 13.994,
266.002

■ 80, 13.994,
266.002

■ 90, 13.994,
266.002

■ 30, 13.994,
266.002

■ 30, 13.994,
266.002

■ 28, 17.422,
268.275

■ 32, 10.539,
264.054

■ 26, 20.828,
270.917

■ 35, 7.062, 262.394

■ 37, 3.568, 260.988

■ 24, 24.226,
273.952

■ 39, 0.067, 262.565

■ 21, 27.640,
277.376

■ 41, 3.434, 78.580

■ 20, 31.104,
281.133

■ 44, 6.928, 77.681

■ 46, 10.406, 76.877

■ 18, 34.643,
284.536

■ 48, 13.864, 76.166

■ 51, 17.296, 75.533

Harmonies

Complementary

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



30, 13.994, 266.002



33, 15.137, 74.869

Rectangle

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



30, 13.994, 266.002



30, 13.994, 316.002



30, 13.994, 86.002



30, 13.994, 136.002

Sweetspot

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



30, 13.993, 266.001



47, 5.224, 261.276



36, 18.586, 161.814



24, 3.492, 261.376



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



30, 13.993, 266.001



37, 20.707, 268.113



25, 24.436, 296.058



18, 1.959, 260.819



22, 40.014, 285.573



48, 75.282, 288.525

Inverse Universe

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



28, 19.524, 349.712



34, 28.867, 350.929



38, 22.239, 108.105



17, 2.652, 346.544



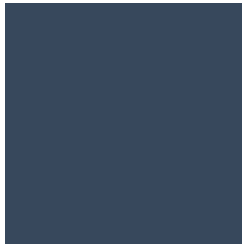
22, 45.416, 3.496



51, 79.911, 6.728

Previews

White Background



This preview shows how the CIE LCh color 30, 13.994, 266.002 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 30, 13.994, 266.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

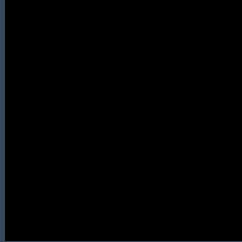
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

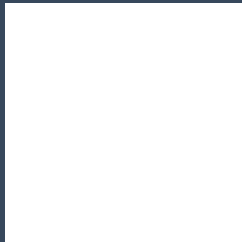
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 13.994, 266.002

Background



This preview shows how black text looks on a background with the CIELCh color 30, 13.994, 266.002.

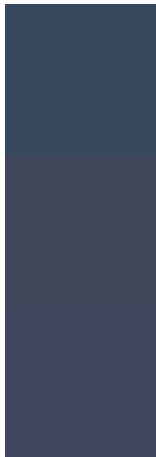


This preview shows how white text looks on a background with the CIELCh color 30, 13.994, 266.002.

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

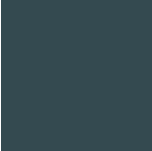
30, 13.994, 266.002

Protanopia

30, 12.901, 283.899

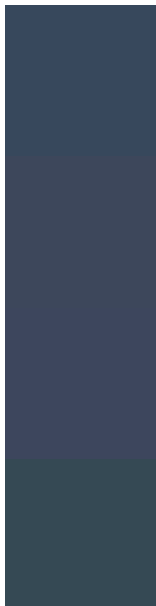
Deuteranopia

30, 15.423, 287.348



Tritanopia
30, 9.273, 222.924

Trichromacy



Original Color
30, 13.994, 266.002

Protanomaly
30, 13.219, 275.850

Deuteranomaly
30, 15.003, 279.917

Tritanomaly
30, 10.184, 242.696

Monochromacy



Original Color
30, 13.994, 266.002

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 5.087, 261.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 13.994, 266.002 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(55, 72, 92)` looks like.

```
.text, #text, p{  
    color:rgb(55, 72, 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(55, 72, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 72, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 13.994, 266.002 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(55, 72, 92) }
```

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

```
.border{ border-color:rgb(55, 72, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 72, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 72, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 72, 92);  
box-shadow:4px 4px 4px 4px rgb(55, 72, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 13.994, 266.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 72, 92) }
```

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

```
.background{ background-color: rgb(55, 72,  
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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