

Converting Colors

CIELCh(30, 13.263, 251.475)

Have a look what the booklet for
CIELCh(30, 13.263, 251.475)
contains.

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Color

CIELCh(30, 13.399, 253.551)

Conversions

Conversions Part 1

Format	Color
Hex	32495A
RGB	50, 73, 90
RGB Percent	20%, 29%, 35%
CMY	0.8027, 0.7125, 0.6458
CMYK	0.44, 0.19, 0.00, 0.65
HSL	206°, 28%, 28%
HSV	206°, 44%, 35%
XYZ	5.5933, 6.2359, 10.6540
YIQ	68.0610, -19.1650, 0.4110

Conversions

Conversions Part 2

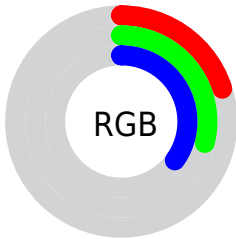
Format	Color
RYB	50, 65, 90
Decimal	3295578
CIELab	30.00, -3.79, -12.85
CIElCh	30, 13.399, 253.551
Yxy	6.2359, 0.2488, 0.2774
Android (android.graphics.Color)	4281485658 (0xFF32495A)
YUV	68.0610, 10.8159, -15.8395
Hunter-Lab	24.9718, -3.7196, -7.8152




Details

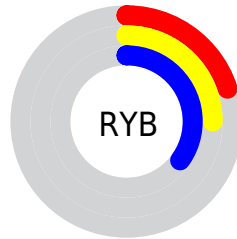
The CIELCh color **30, 13.399, 253.551** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 15.950, 62.534**, and the grayscale version is **29, 0.005, 296.813**.




A 20% lighter version of the original color is **50, 13.562, 254.434**, and **10, 13.058, 251.026** is the 20% darker color. If you saturate the color by 10%, you get **28, 16.133, 255.896**, and if you desaturate by 10%, it is **32, 10.540, 251.582**.

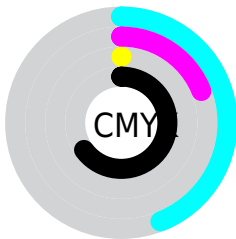
Distribution







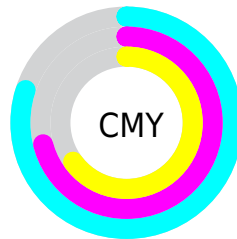
-  Red (20%)
-  Green (29%)
-  Blue (35%)






-  Red (20%)
-  Yellow (25%)
-  Blue (35%)



-  Cyan (44%)
-  Magenta (19%)
-  Yellow (0%)
-  Black (65%)





-  Cyan (80%)
-  Magenta (71%)
-  Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 13.399, 253.551 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, 13.399, 253.551 by changing the saturation by 10% instead.


 30, 13.399,
253.551


 30, 13.399,
253.551

 100, 13.399,
253.551


 20, 13.399,
253.551


 50, 13.399,
253.551


 10, 13.399,
253.551

 60, 13.399,
253.551

 0, 13.399, 253.551

 70, 13.399,
253.551

 80, 13.399,
253.551

 90, 13.399,
253.551

■ 30, 13.399,
253.551

■ 30, 13.399,
253.551

■ 28, 16.133,
255.896

■ 32, 10.540,
251.582

■ 26, 18.739,
258.677

■ 34, 7.570, 249.939

■ 36, 4.507, 248.574

■ 25, 21.224,
261.934

■ 38, 1.369, 247.529

■ 23, 23.615,
265.680

■ 39, 1.827, 66.237

■ 22, 25.984,
269.715

■ 41, 5.065, 65.482

■ 43, 8.332, 64.782

■ 21, 27.398,
271.790

■ 45, 11.615, 64.172

■ 47, 14.906, 63.640

Harmonies

Complementary

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



30, 13.399, 253.551



31, 15.950, 62.534

Rectangle

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



30, 13.399, 253.551



30, 13.399, 303.551



30, 13.399, 73.551



30, 13.399, 123.551

Sweetspot

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



30, 13.398, 253.549



46, 5.090, 248.467



35, 22.074, 155.547



23, 3.520, 248.652



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



30, 13.398, 253.549



37, 19.519, 255.998



24, 24.330, 292.435



18, 1.801, 247.947



26, 32.002, 273.114



56, 59.518, 276.532

Inverse Universe

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



27, 22.599, 343.522



32, 33.114, 344.678



36, 22.278, 102.315



17, 2.868, 340.413



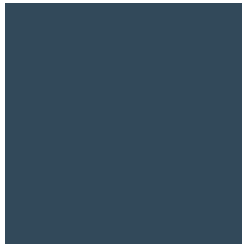
22, 46.817, 353.381



52, 81.665, 355.703

Previews

White Background



This preview shows how the CIE LCh color 30, 13.399, 253.551 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, 13.399, 253.551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

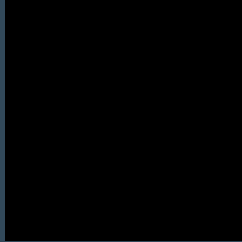
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

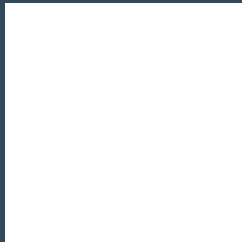
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 13.399, 253.551

Background



This preview shows how black text looks on a background with the CIELCh color 30, 13.399, 253.551.



This preview shows how white text looks on a background with the CIELCh color 30, 13.399, 253.551.

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

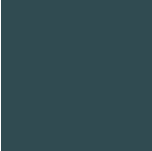
30, 13.399, 253.551

Protanopia

30, 11.596, 284.502

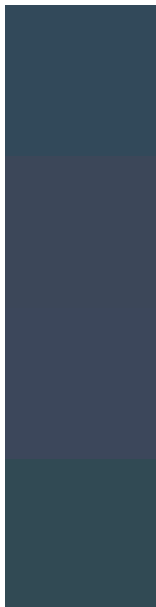
Deuteranopia

30, 14.129, 288.072



Tritanopia
30, 10.825, 218.970

Trichromacy



Original Color
30, 13.399, 253.551

Protanomaly
30, 12.127, 272.008

Deuteranomaly
30, 13.314, 274.344

Tritanomaly
30, 11.126, 233.709

Monochromacy



Original Color
30, 13.399, 253.551

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 5.024, 249.455

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 13.399, 253.551 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(50, 73, 90)` looks like.

```
.text, #text, p{  
    color:rgb(50, 73, 90)  
}
```

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(50, 73, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 73, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 13.399, 253.551 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(50, 73, 90) }
```

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

```
.border{ border-color:rgb(50, 73, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 73, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 73, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 73, 90);  
box-shadow:4px 4px 4px 4px rgb(50, 73, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 13.399, 253.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 73, 90) }
```

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

```
.background{ background-color: rgb(50, 73,  
90) }
```

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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