

Converting Colors

CIELCh(30, 17.278, 287.140)

Have a look what the booklet for
CIELCh(30, 17.278, 287.140)
contains.

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Color

CIELCh(30, 17.350, 287.193)

Conversions

Conversions Part 1

Format	Color
Hex	404560
RGB	64, 69, 96
RGB Percent	25%, 27%, 38%
CMY	0.7480, 0.7284, 0.6225
CMYK	0.33, 0.28, 0.00, 0.62
HSL	231°, 20%, 31%
HSV	231°, 33%, 38%
XYZ	6.3990, 6.2359, 11.9984
YIQ	70.5830, -11.6470, 7.3370

Conversions

Conversions Part 2

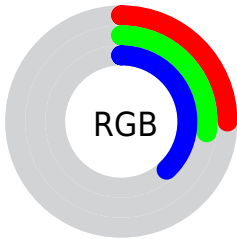
Format	Color
RYB	64, 68, 96
Decimal	4212064
CIELab	30.00, 5.13, -16.57
CIElCh	30, 17.350, 287.193
Yxy	6.2359, 0.2598, 0.2531
Android (android.graphics.Color)	4282402144 (0xFF404560)
YUV	70.5830, 12.5306, -5.7733
Hunter-Lab	24.9718, 2.0395, -11.0073

Details

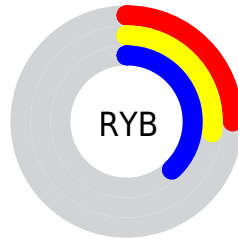
The CIELCh color **30, 17.350, 287.193** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **39, 16.551, 99.448**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 17.597, 287.749**, and **10, 17.774, 287.737** is the 20% darker color. If you saturate the color by 10%, you get **27, 22.941, 288.934**, and if you desaturate by 10%, it is **33, 11.942, 285.686**.

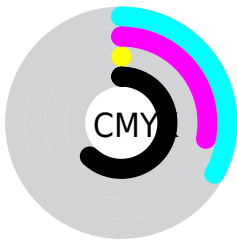
Distribution



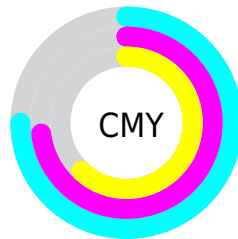
- Red (25%)
- Green (27%)
- Blue (38%)



- Red (25%)
- Yellow (27%)
- Blue (38%)



- Cyan (33%)
- Magenta (28%)
- Yellow (0%)
- Black (62%)





- Cyan (75%)
- Magenta (73%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 17.350, 287.193 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, 17.350, 287.193 by changing the saturation by 10% instead.


 30, 17.350,
287.193


 30, 17.350,
287.193

 100, 17.350,
287.193


 20, 17.350,
287.193


 50, 17.350,
287.193


 10, 17.350,
287.193

 60, 17.350,
287.193

 0, 17.350, 287.193

 70, 17.350,
287.193

 80, 17.350,
287.193

 90, 17.350,
287.193

■ 30, 17.350,
287.193

■ 30, 17.350,
287.193

■ 27, 22.941,
288.934

■ 33, 11.942,
285.686

■ 24, 28.731,
290.933

■ 37, 6.704, 284.389

■ 20, 34.721,
293.191

■ 40, 1.625, 283.301

■ 43, 3.308, 102.254

■ 17, 40.879,
295.672

■ 46, 8.103, 101.419

■ 15, 47.090,
298.282

■ 49, 12.768,
100.680

■ 12, 53.096,
300.815

■ 53, 17.309,
100.029

■ 10, 56.885,
302.192

■ 56, 21.731, 99.453

■ 59, 26.041, 98.942

Harmonies

Complementary

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



30, 17.350, 287.193



39, 16.551, 99.448

Rectangle

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



30, 17.350, 287.193



30, 17.350, 337.193



30, 17.350, 107.193



30, 17.350, 157.193

Sweetspot

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



30, 17.349, 287.192



48, 6.244, 284.044



38, 13.001, 183.069



24, 4.299, 284.155



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



30, 17.349, 287.192



36, 26.204, 288.557



30, 21.069, 305.033



18, 2.836, 283.884



13, 64.374, 302.669



33, 118.028, 304.074

Inverse Universe

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



31, 14.977, 10.067



38, 22.698, 11.251



39, 19.851, 121.339



18, 2.387, 7.320



22, 50.941, 29.936



50, 92.141, 33.444

Previews

White Background



This preview shows how the CIELCh color 30, 17.350, 287.193 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 30, 17.350, 287.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

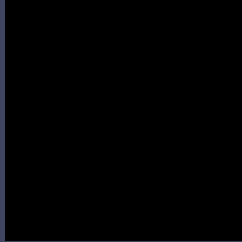
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 17.350, 287.193

Background



This preview shows how black text looks on a background with the CIELCh color 30, 17.350, 287.193.

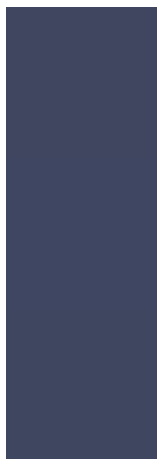


This preview shows how white text looks on a background with the CIELCh color 30, 17.350, 287.193.

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, 17.350, 287.193

Protanopia

30, 17.382, 284.789

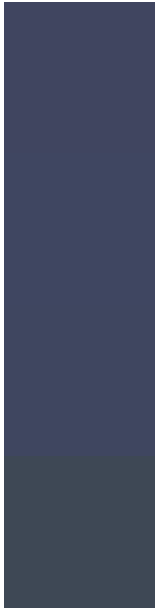
Deuteranopia

30, 16.756, 284.304



Tritanopia
30, 6.114, 230.450

Trichromacy



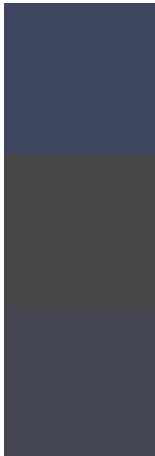
Original Color
30, 17.350, 287.193

Protanomaly
30, 17.382, 284.789

Deuteranomaly
30, 16.756, 284.304

Tritanomaly
30, 9.085, 265.917

Monochromacy



Original Color
30, 17.350, 287.193

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 6.415, 287.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 17.350, 287.193 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(64, 69, 96)` looks like.

```
.text, #text, p{  
    color:rgb(64, 69, 96)  
}
```

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(64, 69, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 69, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 17.350, 287.193 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(64, 69, 96) }
```

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

```
.border{ border-color:rgb(64, 69, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 69, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 69, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 69, 96);  
box-shadow:4px 4px 4px 4px rgb(64, 69, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 17.350, 287.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 69, 96) }
```

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

```
.background{ background-color: rgb(64, 69,  
96) }
```

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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