

Converting Colors

CIELCh(30, 12.365, 283.461)

Have a look what the booklet for
CIELCh(30, 12.365, 283.461)
contains.

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Color

CIELCh(30, 12.272, 283.286)

Conversions

Conversions Part 1

Format	Color
Hex	414659
RGB	65, 70, 89
RGB Percent	25%, 27%, 35%
CMY	0.7449, 0.7253, 0.6507
CMYK	0.27, 0.21, 0.00, 0.65
HSL	228°, 16%, 30%
HSV	228°, 27%, 35%
XYZ	6.1836, 6.2359, 10.3425
YIQ	70.6710, -9.0790, 4.8490

Conversions

Conversions Part 2

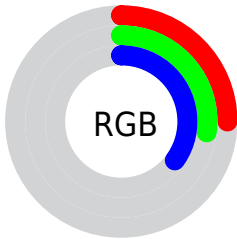
Format	Color
RYB	65, 69, 89
Decimal	4277849
CIELab	30.00, 2.82, -11.94
CIElCh	30, 12.272, 283.286
Yxy	6.2359, 0.2717, 0.2740
Android (android.graphics.Color)	4282467929 (0xFF414659)
YUV	70.6710, 9.0362, -4.9735
Hunter-Lab	24.9718, 0.4999, -7.0756

Details

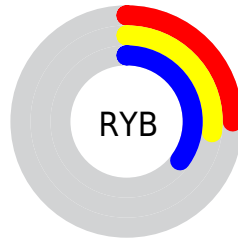
The CIELCh color **30, 12.272, 283.286** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **36, 11.954, 96.996**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 12.392, 283.176**, and **10, 11.958, 282.398** is the 20% darker color. If you saturate the color by 10%, you get **27, 17.060, 284.908**, and if you desaturate by 10%, it is **33, 7.616, 281.881**.

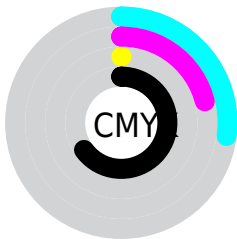
Distribution



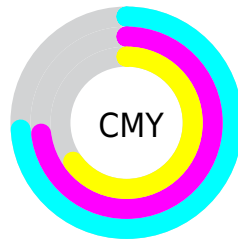
- Red (25%)
- Green (27%)
- Blue (35%)



- Red (25%)
- Yellow (27%)
- Blue (35%)



- Cyan (27%)
- Magenta (21%)
- Yellow (0%)
- Black (65%)





- Cyan (74%)
- Magenta (73%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 12.272, 283.286 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, 12.272, 283.286 by changing the saturation by 10% instead.


 30, 12.272,
283.286


 30, 12.272,
283.286

 100, 12.272,
283.286


 20, 12.272,
283.286


 50, 12.272,
283.286


 10, 12.272,
283.286

 60, 12.272,
283.286

 0, 12.272, 283.286

 70, 12.272,
283.286

 80, 12.272,
283.286

 90, 12.272,
283.286

■ 30, 12.272,
283.286

■ 30, 12.272,
283.286

■ 27, 17.060,
284.908

■ 33, 7.616, 281.881

■ 24, 21.995,
286.780

■ 36, 3.085, 280.679

■ 21, 27.090,
288.921

■ 39, 1.330, 99.522

■ 19, 32.349,
291.332

■ 42, 5.636, 98.649

■ 16, 37.757,
293.978

■ 44, 9.837, 97.845

■ 13, 43.238,
296.766

■ 47, 13.938, 97.133

■ 11, 48.649,
299.350

■ 50, 17.943, 96.502

■ 10, 50.264,

■ 53, 21.855, 95.938

■ 56, 25.678, 95.434

Harmonies

Complementary

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



30, 12.272, 283.286



36, 11.954, 96.996

Rectangle

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



30, 12.272, 283.286



30, 12.272, 333.286



30, 12.272, 103.286



30, 12.272, 153.286

Sweetspot

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



30, 12.271, 283.284



45, 4.383, 280.824



36, 10.314, 179.689



23, 3.144, 280.948



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, 12.271, 283.284



37, 18.108, 284.240



29, 15.766, 302.859



16, 2.435, 280.880



14, 58.490, 300.734



34, 110.323, 302.560

Inverse Universe

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



30, 11.334, 5.250



37, 16.784, 6.027



37, 15.000, 119.698



16, 2.209, 3.289



21, 47.660, 25.736



49, 87.464, 29.732

Previews

White Background



This preview shows how the CIELCh color 30, 12.272, 283.286 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, 12.272, 283.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

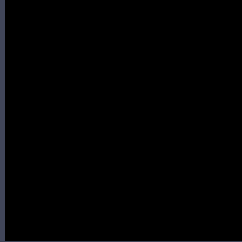
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

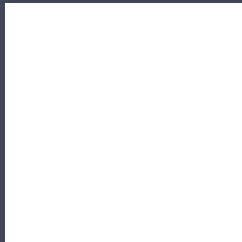
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 12.272, 283.286

Background



This preview shows how black text looks on a background with the CIELCh color 30, 12.272, 283.286.



This preview shows how white text looks on a background with the CIELCh color 30, 12.272, 283.286.

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

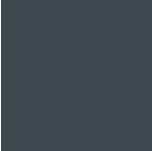
30, 12.272, 283.286

Protanopia

30, 12.227, 285.064

Deuteranopia

30, 12.826, 290.777



Tritanopia
30, 5.269, 246.031

Trichromacy



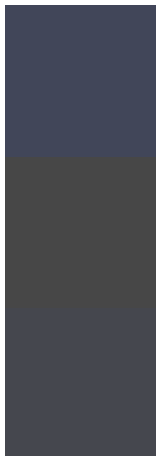
Original Color
30, 12.272, 283.286

Protanomaly
30, 12.227, 285.064

Deuteranomaly
30, 12.836, 289.040

Tritanomaly
30, 7.518, 269.342

Monochromacy



Original Color
30, 12.272, 283.286

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 4.541, 280.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 12.272, 283.286 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(65, 70, 89)` looks like.

```
.text, #text, p{  
    color:rgb(65, 70, 89)  
}
```

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(65, 70, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 70, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 12.272, 283.286 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(65, 70, 89) }
```

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

```
.border{ border-color:rgb(65, 70, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 70, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 70, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 70, 89);  
box-shadow:4px 4px 4px 4px rgb(65, 70, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 12.272, 283.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 70, 89) }
```

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

```
.background{ background-color: rgb(65, 70,  
89) }
```

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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