

Converting Colors

CIELCh(30, 11.756, 238.353)

Have a look what the booklet for
CIELCh(30, 11.756, 238.353)
contains.

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Color

CIELCh(30, 11.765, 239.477)

Conversions

Conversions Part 1

Format	Color
Hex	314A56
RGB	49, 74, 86
RGB Percent	19%, 29%, 34%
CMY	0.8075, 0.7095, 0.6624
CMYK	0.43, 0.14, 0.00, 0.66
HSL	199°, 27%, 27%
HSV	199°, 43%, 34%
XYZ	5.4072, 6.2359, 9.7395
YIQ	67.8930, -18.7520, -1.5680

Conversions

Conversions Part 2

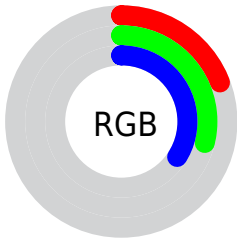
Format	Color
R_{YB}	49, 64, 86
Decimal	3230294
CIE _{Lab}	30.00, -5.98, -10.13
CIE _{LCh}	30, 11.765, 239.477
Yxy	6.2359, 0.2529, 0.2916
Android (android.graphics.Color)	4281420374 (0xFF314A56)
YUV	67.8930, 8.9268, -16.5692
Hunter-Lab	24.9718, -5.0498, -5.6441

Details

The CIELCh color **30, 11.765, 239.477** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 14.877, 51.931**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 11.856, 238.786**, and **10, 11.824, 241.694** is the 20% darker color. If you saturate the color by 10%, you get **29, 14.058, 241.372**, and if you desaturate by 10%, it is **31, 9.275, 237.933**.

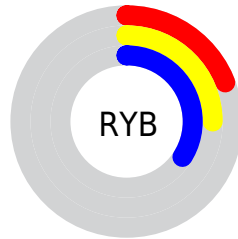
Distribution



Red (19%)

Green (29%)

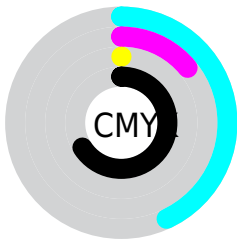
Blue (34%)



Red (19%)

Yellow (25%)

Blue (34%)

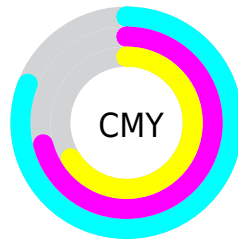


Cyan (43%)

Magenta (14%)

Yellow (0%)

Black (66%)



Cyan (81%)


Magenta (71%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 11.765, 239.477 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, 11.765, 239.477 by changing the saturation by 10% instead.


 30, 11.765,
239.477


 30, 11.765,
239.477

 100, 11.765,
239.477


 20, 11.765,
239.477


 50, 11.765,
239.477


 10, 11.765,
239.477

 60, 11.765,
239.477

 0, 11.765, 239.477

 70, 11.765,
239.477

 80, 11.765,
239.477

 90, 11.765,
239.477

■ 30, 11.765,
239.477

■ 30, 11.765,
239.477

■ 29, 14.058,
241.372

■ 31, 9.275, 237.933

■ 33, 6.616, 236.686

■ 27, 16.135,
243.691

■ 35, 3.813, 235.695

■ 26, 17.989,
246.501

■ 36, 0.893, 235.094

■ 25, 19.628,
249.857

■ 38, 2.119, 53.991

■ 39, 5.202, 53.514

■ 24, 21.117,
253.663

■ 41, 8.338, 53.080

■ 23, 22.207,
256.131

■ 43, 11.512, 52.717

■ 44, 14.710, 52.415

Harmonies

Complementary

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



30, 11.765, 239.477



28, 14.877, 51.931

Rectangle

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



30, 11.765, 239.477



30, 11.765, 289.477



30, 11.765, 59.477



30, 11.765, 109.477

Sweetspot

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



30, 11.765, 239.475



45, 4.746, 235.734



33, 22.329, 151.500



22, 3.276, 235.864



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



30, 11.765, 239.475



38, 17.124, 241.534



24, 20.073, 287.347



17, 1.665, 235.358



29, 26.222, 257.697



62, 48.296, 261.376

Inverse Universe

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



26, 22.509, 338.340



32, 33.407, 339.276



34, 18.985, 96.808



16, 2.934, 335.807



22, 48.490, 345.521



52, 85.122, 347.100

Previews

White Background



This preview shows how the CIELCh color 30, 11.765, 239.477 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, 11.765, 239.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

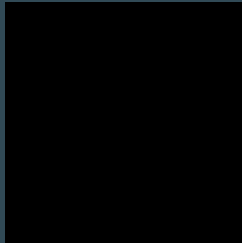
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 11.765, 239.477

Background



This preview shows how black text looks on a background with the CIELCh color 30, 11.765, 239.477.



This preview shows how white text looks on a background with the CIELCh color 30, 11.765, 239.477.

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

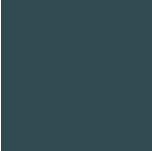
30, 11.765, 239.477

Protanopia

30, 8.353, 286.119

Deuteranopia

30, 11.548, 292.303



Tritanopia
30, 10.825, 218.970

Trichromacy



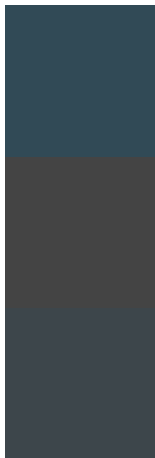
Original Color
30, 11.765, 239.477

Protanomaly
30, 9.104, 265.964

Deuteranomaly
30, 10.719, 272.945

Tritanomaly
30, 11.172, 225.591

Monochromacy



Original Color
30, 11.765, 239.477

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 4.872, 240.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 11.765, 239.477 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(49, 74, 86)` looks like.

```
.text, #text, p{  
    color:rgb(49, 74, 86)  
}
```

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(49, 74, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 74, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 11.765, 239.477 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(49, 74, 86) }
```

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

```
.border{ border-color:rgb(49, 74, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 74, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 74, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 74, 86);  
box-shadow:4px 4px 4px 4px rgb(49, 74, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 11.765, 239.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 74, 86) }
```

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

```
.background{ background-color: rgb(49, 74,  
86) }
```

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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