

Converting Colors

CIELCh(30, 15.784, 250.187)

Have a look what the booklet for
CIELCh(30, 15.784, 250.187)
contains.

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Color

CIELCh(30, 15.707, 249.706)

Conversions

Conversions Part 1

Format	Color
Hex	2B4A5D
RGB	43, 74, 93
RGB Percent	17%, 29%, 36%
CMY	0.8305, 0.7090, 0.6345
CMYK	0.54, 0.20, 0.00, 0.63
HSL	203°, 37%, 27%
HSV	203°, 54%, 37%
XYZ	5.4518, 6.2359, 11.3198
YIQ	66.8970, -24.5750, -0.6630

Conversions

Conversions Part 2

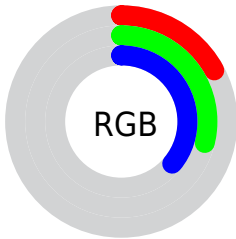
Format	Color
RYB	43, 62, 93
Decimal	2837085
CIELab	30.00, -5.45, -14.73
CIELCh	30, 15.707, 249.706
Yxy	6.2359, 0.2370, 0.2710
Android (android.graphics.Color)	4281027165 (0xFF2B4A5D)
YUV	66.8970, 12.8688, -20.9577
Hunter-Lab	24.9718, -4.7309, -9.3962

Details

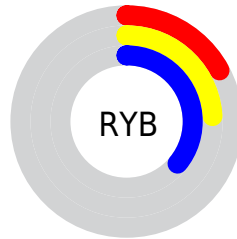
The CIELCh color **30, 15.707, 249.706** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 20.385, 57.055**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 15.535, 247.897**, and **10, 14.938, 256.064** is the 20% darker color. If you saturate the color by 10%, you get **28, 18.143, 252.366**, and if you desaturate by 10%, it is **32, 13.091, 247.491**.

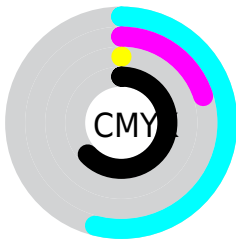
Distribution



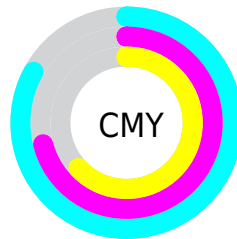
- Red (17%)
- Green (29%)
- Blue (36%)



- Red (17%)
- Yellow (24%)
- Blue (36%)



- Cyan (54%)
- Magenta (20%)
- Yellow (0%)
- Black (63%)





- Cyan (83%)
- Magenta (71%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 15.707, 249.706 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, 15.707, 249.706 by changing the saturation by 10% instead.


 30, 15.707,
249.706


 30, 15.707,
249.706

 100, 15.707,
249.706


 20, 15.707,
249.706


 50, 15.707,
249.706


 10, 15.707,
249.706

 60, 15.707,
249.706

 0, 15.707, 249.706

 70, 15.707,
249.706

 80, 15.707,
249.706

 90, 15.707,
249.706

■ 30, 15.707,
249.706

■ 30, 15.707,
249.706

■ 28, 18.143,
252.366

■ 32, 13.091,
247.491

■ 27, 20.402,
255.530

■ 33, 10.309,
245.660

■ 25, 22.506,
259.227

■ 35, 7.379, 244.151

■ 24, 24.524,
263.334

■ 37, 4.326, 242.919

■ 39, 1.172, 242.040

■ 23, 25.865,
265.735

■ 41, 2.061, 60.818

■ 43, 5.353, 60.167

■ 45, 8.688, 59.571

■ 46, 12.051, 59.058

Harmonies

Complementary

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



30, 15.707, 249.706



29, 20.385, 57.055

Rectangle

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



30, 15.707, 249.706



30, 15.707, 299.706



30, 15.707, 69.706



30, 15.707, 119.706

Sweetspot

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



30, 15.706, 249.705



48, 6.323, 243.247



35, 28.234, 152.237



23, 4.221, 243.398



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, 15.706, 249.705



37, 22.679, 253.084



22, 28.990, 292.050



18, 1.767, 242.424



27, 29.389, 266.857



59, 54.249, 270.396

Inverse Universe

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



25, 28.531, 342.137



31, 41.291, 343.576



36, 26.265, 98.622



17, 2.960, 338.277



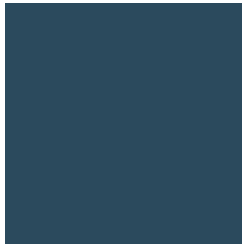
23, 47.790, 349.759



52, 83.247, 351.718

Previews

White Background



This preview shows how the CIELCh color 30, 15.707, 249.706 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, 15.707, 249.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

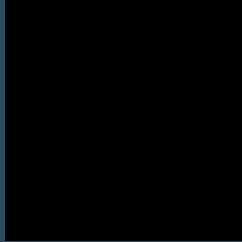
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

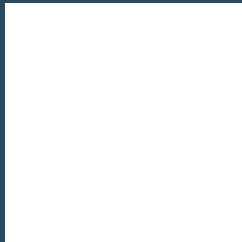
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 15.707, 249.706

Background



This preview shows how black text looks on a background with the CIELCh color 30, 15.707, 249.706.

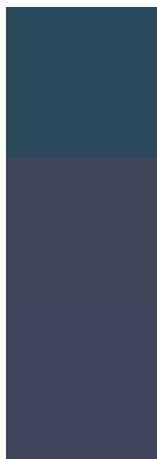


This preview shows how white text looks on a background with the CIELCh color 30, 15.707, 249.706.

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

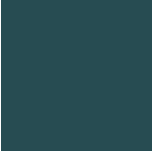
30, 15.707, 249.706

Protanopia

30, 12.901, 283.899

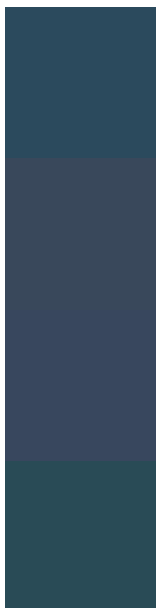
Deuteranopia

30, 16.086, 286.407



Tritanopia
30, 13.695, 214.042

Trichromacy



Original Color
30, 15.707, 249.706

Protanomaly
30, 13.170, 267.240

Deuteranomaly
30, 15.491, 272.240

Tritanomaly
30, 13.665, 229.254

Monochromacy



Original Color
30, 15.707, 249.706

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 6.538, 242.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 15.707, 249.706 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(43, 74, 93)` looks like.

```
.text, #text, p{  
    color:rgb(43, 74, 93)  
}
```

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(43, 74, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 74, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 15.707, 249.706 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(43, 74, 93) }
```

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

```
.border{ border-color:rgb(43, 74, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 74, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 74, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 74, 93);  
box-shadow:4px 4px 4px 4px rgb(43, 74, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 15.707, 249.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 74, 93) }
```

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

```
.background{ background-color: rgb(43, 74,  
93) }
```

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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