

Converting Colors

CIELCh(24, 16.611, 284.099)

Have a look what the booklet for
CIELCh(24, 16.611, 284.099)
contains.

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Color

CIELCh(24, 16.694, 284.662)

Conversions

Conversions Part 1

Format	Color
Hex	313851
RGB	49, 56, 81
RGB Percent	19%, 22%, 32%
CMY	0.8071, 0.7797, 0.6816
CMYK	0.39, 0.31, 0.00, 0.68
HSL	227°, 25%, 26%
HSV	227°, 39%, 32%
XYZ	4.1907, 4.1002, 8.3927
YIQ	56.7570, -12.1970, 6.2910

Conversions

Conversions Part 2

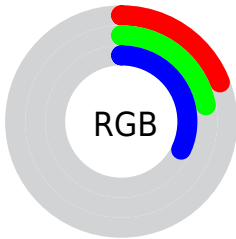
Format	Color
RYB	49, 55, 81
Decimal	3225681
CIELab	24.00, 4.23, -16.15
CIELCh	24, 16.694, 284.662
Yxy	4.1002, 0.2512, 0.2458
Android (android.graphics.Color)	4281415761 (0xFF313851)
YUV	56.7570, 11.9518, -6.8029
Hunter-Lab	20.2490, 1.5068, -10.4000

Details

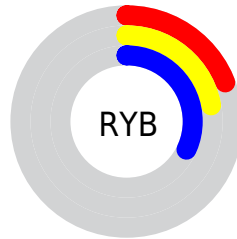
The CIELCh color **24, 16.694, 284.662** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 16.071, 94.979**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 16.314, 283.483**, and **4, 16.253, 283.592** is the 20% darker color. If you saturate the color by 10%, you get **21, 21.225, 286.572**, and if you desaturate by 10%, it is **27, 12.293, 283.000**.

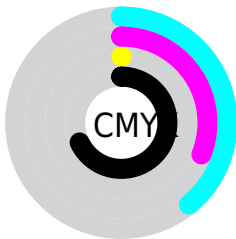
Distribution



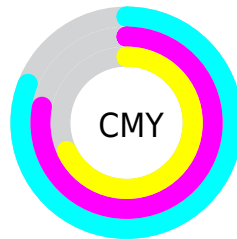
- Red (19%)
- Green (22%)
- Blue (32%)



- Red (19%)
- Yellow (22%)
- Blue (32%)



- Cyan (39%)
- Magenta (31%)
- Yellow (0%)
- Black (68%)





- Cyan (81%)
- Magenta (78%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 16.694, 284.662 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 24, 16.694, 284.662 by changing the saturation by 10% instead.

 24, 16.694,
284.662

 24, 16.694,
284.662

 100, 16.694,
284.662


 14, 16.694,
284.662


 44, 16.694,
284.662


 4, 16.694, 284.662

 54, 16.694,
284.662

 0, 16.694, 284.662

 64, 16.694,
284.662

 74, 16.694,
284.662

 84, 16.694,
284.662

 94, 16.694,

284.662

■ 24, 16.694,
284.662

■ 24, 16.694,
284.662

■ 21, 21.225,
286.572

■ 27, 12.293,
283.000

■ 19, 25.898,
288.749

■ 29, 8.011, 281.560

■ 16, 30.718,
291.191

■ 32, 3.840, 280.319

■ 35, 0.228, 98.822

■ 14, 35.669,
293.859

■ 37, 4.199, 98.233

■ 11, 40.682,
296.648

■ 40, 8.076, 97.408

■ 43, 11.864, 96.674

■ 9, 45.668, 299.044

■ 45, 15.566, 96.022

■ 9, 45.954, 299.166

■ 48, 19.185, 95.441

Harmonies

Complementary

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



24, 16.694, 284.662



32, 16.071, 94.979

Rectangle

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



24, 16.694, 284.662



24, 16.694, 334.662



24, 16.694, 104.662



24, 16.694, 154.662

Sweetspot

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



24, 16.693, 284.662



40, 6.049, 280.670



32, 13.770, 177.236



20, 4.048, 280.743



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



24, 16.693, 284.662



29, 24.847, 286.405



23, 21.743, 303.247



15, 2.286, 280.241



13, 56.628, 300.246



34, 108.129, 302.202

Inverse Universe

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



25, 15.728, 6.103



30, 23.373, 7.590



33, 20.129, 118.355



15, 2.106, 2.508



20, 46.533, 24.740



49, 86.132, 28.911

Previews

White Background



This preview shows how the CIE LCh color 24, 16.694, 284.662 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 24, 16.694, 284.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

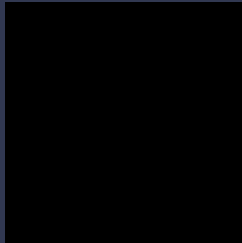
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 16.694, 284.662

Background



This preview shows how black text looks on a background with the CIELCh color 24, 16.694, 284.662.



This preview shows how white text looks on a background with the CIELCh color 24, 16.694, 284.662.

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

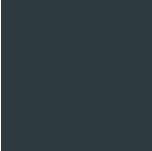
24, 16.694, 284.662

Protanopia

24, 16.694, 284.662

Deuteranopia

24, 16.742, 283.461



Tritanopia
24, 6.583, 228.999

Trichromacy



Original Color
24, 16.694, 284.662

Protanomaly
24, 16.694, 284.662

Deuteranomaly
24, 16.742, 283.461

Tritanomaly
24, 8.953, 262.332

Monochromacy



Original Color
24, 16.694, 284.662

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 6.074, 279.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 16.694, 284.662 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, 56, 81)` looks like.

```
.text, #text, p{  
    color:rgb(49, 56, 81)  
}
```

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, 56, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 56, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 16.694, 284.662 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, 56, 81) }
```

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

```
.border{ border-color:rgb(49, 56, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 56, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 56, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 56, 81);  
box-shadow:4px 4px 4px 4px rgb(49, 56, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 16.694, 284.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 56, 81) }
```

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

```
.background{ background-color: rgb(49, 56,  
81) }
```

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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