

Converting Colors

CIELCh(24, 8.980, 268.806)

Have a look what the booklet for
CIELCh(24, 8.980, 268.806) contains.

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Color

CIELCh(24, 8.631, 266.870)

Conversions

Conversions Part 1

Format	Color
Hex	313A46
RGB	49, 58, 70
RGB Percent	19%, 23%, 27%
CMY	0.8084, 0.7731, 0.7261
CMYK	0.30, 0.17, 0.00, 0.73
HSL	214°, 18%, 23%
HSV	214°, 30%, 27%
XYZ	3.8653, 4.1002, 6.3560
YIQ	56.6770, -9.2160, 1.8240

Conversions

Conversions Part 2

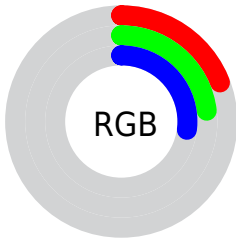
Format	Color
R_{YB}	49, 55, 70
Decimal	3226182
CIE Lab	24.00, -0.47, -8.62
CIE LCh	24, 8.631, 266.870
Yxy	4.1002, 0.2699, 0.2863
Android (android.graphics.Color)	4281416262 (0xFF313A46)
YUV	56.6770, 6.5682, -6.7327
Hunter-Lab	20.2490, -1.3625, -4.4363

Details

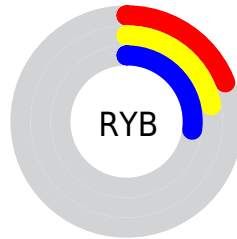
The CIELCh color **24, 8.631, 266.870** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 8.996, 79.257**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 8.429, 267.145**, and **4, 8.711, 268.451** is the 20% darker color. If you saturate the color by 10%, you get **22, 11.504, 268.683**, and if you desaturate by 10%, it is **26, 5.756, 265.302**.

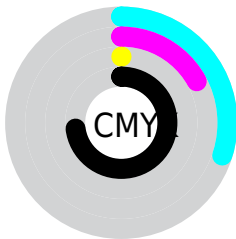
Distribution



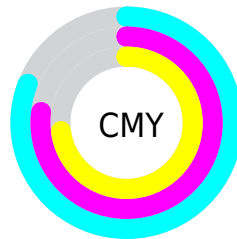
- Red (19%)
- Green (23%)
- Blue (27%)



- Red (19%)
- Yellow (22%)
- Blue (27%)



- Cyan (30%)
- Magenta (17%)
- Yellow (0%)
- Black (73%)



- Cyan (81%)
- Magenta (77%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 8.631, 266.870 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, 8.631, 266.870 by changing the saturation by 10% instead.

■ 24, 8.631, 266.870

■ 24, 8.631, 266.870

■ 100, 8.631,
266.870

■ 14, 8.631, 266.870

■ 44, 8.631, 266.870

■ 4, 8.631, 266.870

■ 54, 8.631, 266.870

■ 0, 8.631, 266.870

■ 64, 8.631, 266.870

■ 74, 8.631, 266.870

■ 84, 8.631, 266.870

■ 94, 8.631, 266.870

■ 24, 8.631, 266.870

■ 24, 8.631, 266.870

■ 22, 11.504,
268.683

■ 26, 5.756, 265.302

■ 20, 14.376,
270.785

■ 28, 2.885, 263.965

■ 30, 0.020, 270.031

■ 18, 17.251,
273.207

■ 32, 2.834, 81.645

■ 17, 20.137,
275.971

■ 33, 5.672, 80.765

■ 35, 8.490, 79.973

■ 15, 23.051,
279.077

■ 37, 11.286, 79.267

■ 13, 26.023,
282.398

■ 39, 14.057, 78.635

■ 12, 29.108,
285.217

■ 41, 16.799, 78.068

Harmonies

Complementary

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



24, 8.631, 266.870



26, 8.996, 79.257

Rectangle

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



24, 8.631, 266.870



24, 8.631, 316.870



24, 8.631, 86.870



24, 8.631, 136.870

Sweetspot

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



24, 8.630, 266.867



37, 3.239, 263.883



28, 10.892, 164.887



17, 2.218, 263.973



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



24, 8.630, 266.867



31, 12.971, 268.193



21, 14.223, 295.614



13, 1.628, 263.794



18, 39.075, 287.640



44, 77.015, 290.883

Inverse Universe

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



23, 11.369, 350.301



29, 17.154, 351.115



29, 13.351, 110.495



13, 2.098, 348.293



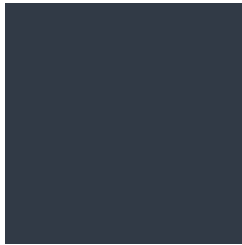
19, 42.326, 5.716



49, 77.429, 9.620

Previews

White Background



This preview shows how the CIELCh color 24, 8.631, 266.870 looks on a white background.

Color Contrast Check

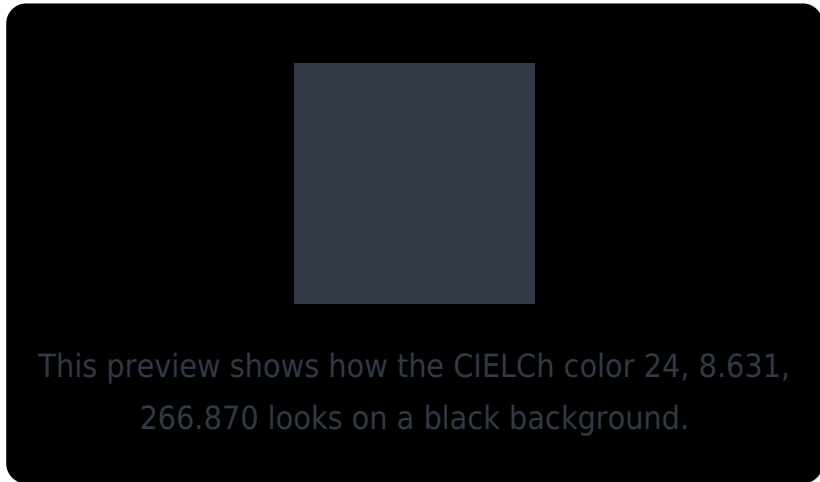
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

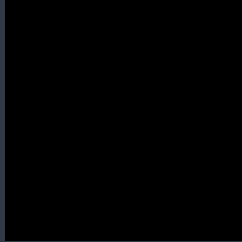
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

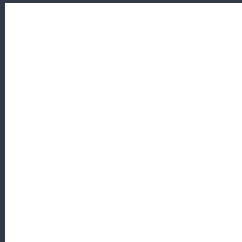
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 8.631, 266.870

Background



This preview shows how black text looks on a background with the CIELCh color 24, 8.631, 266.870.

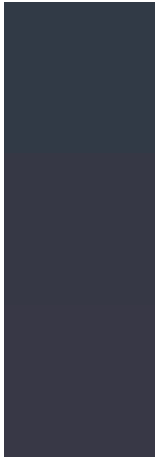


This preview shows how white text looks on a background with the CIELCh color 24, 8.631, 266.870.

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

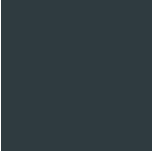
24, 8.631, 266.870

Protanopia

24, 8.658, 286.505

Deuteranopia

24, 9.295, 292.144



Tritanopia
24, 5.926, 232.888

Trichromacy



Original Color

24, 8.631, 266.870

Protanomaly

24, 8.166, 277.222

Deuteranomaly

24, 8.731, 281.124

Tritanomaly

24, 6.394, 245.593

Monochromacy



Original Color

24, 8.631, 266.870

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 3.542, 269.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 8.631, 266.870 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, 58, 70)` looks like.

```
.text, #text, p{  
    color:rgb(49, 58, 70)  
}
```

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, 58, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 58, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 8.631, 266.870 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, 58, 70) }
```

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

```
.border{ border-color:rgb(49, 58, 70) }
```

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

Here you see how a box with a 4 pixel rgb(49, 58, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 58, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 58, 70);  
box-shadow:4px 4px 4px 4px rgb(49, 58, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 8.631, 266.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 58, 70) }
```

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

```
.background{ background-color: rgb(49, 58,  
70) }
```

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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