

Converting Colors

CIELCh(24, 8.068, 230.393)

Have a look what the booklet for
CIELCh(24, 8.068, 230.393) contains.

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Color

CIELCh(24, 8.127, 227.844)

Conversions

Conversions Part 1

Format	Color
Hex	2A3C42
RGB	42, 60, 66
RGB Percent	16%, 24%, 26%
CMY	0.8358, 0.7652, 0.7417
CMYK	0.36, 0.09, 0.00, 0.74
HSL	195°, 22%, 21%
HSV	195°, 36%, 26%
XYZ	3.5388, 4.1002, 5.7396
YIQ	55.3020, -12.6540, -1.9500

Conversions

Conversions Part 2

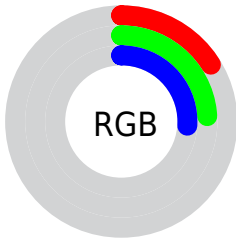
Format	Color
R_{YB}	42, 52, 66
Decimal	2767938
CIE Lab	24.00, -5.45, -6.02
CIE LCh	24, 8.127, 227.844
Yxy	4.1002, 0.2645, 0.3065
Android (android.graphics.Color)	4280958018 (0xFF2A3C42)
YUV	55.3020, 5.2741, -11.6659
Hunter-Lab	20.2490, -4.2399, -2.6316

Details

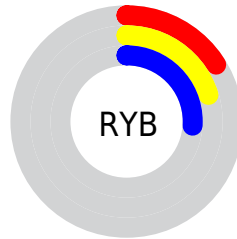
The CIELCh color **24, 8.127, 227.844** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 10.048, 44.341**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 8.257, 229.388**, and **5, 6.836, 236.261** is the 20% darker color. If you saturate the color by 10%, you get **23, 10.018, 228.958**, and if you desaturate by 10%, it is **25, 6.067, 226.962**.

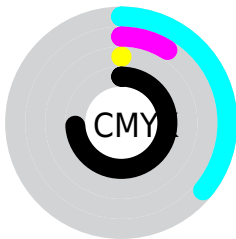
Distribution



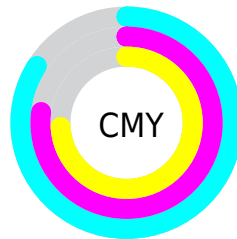
- Red (16%)
- Green (24%)
- Blue (26%)



- Red (16%)
- Yellow (20%)
- Blue (26%)



- Cyan (36%)
- Magenta (9%)
- Yellow (0%)
- Black (74%)



- Cyan (84%)
- Magenta (77%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 8.127, 227.844 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, 8.127, 227.844 by changing the saturation by 10% instead.

■ 24, 8.127, 227.844

■ 24, 8.127, 227.844

■ 100, 8.127,
227.844

■ 14, 8.127, 227.844

■ 44, 8.127, 227.844

■ 4, 8.127, 227.844

■ 54, 8.127, 227.844

■ 0, 8.127, 227.844

■ 64, 8.127, 227.844

■ 74, 8.127, 227.844

■ 84, 8.127, 227.844

■ 94, 8.127, 227.844

■ 24, 8.127, 227.844

■ 24, 8.127, 227.844

■ 23, 10.018,
228.958

■ 25, 6.067, 226.962

■ 22, 11.715,
230.366

■ 26, 3.865, 226.288

■ 27, 1.544, 225.841

■ 21, 13.198,
232.121

■ 28, 0.872, 44.995

■ 20, 14.454,
234.286

■ 29, 3.363, 44.883

■ 31, 5.912, 44.678

■ 20, 15.485,
236.912

■ 32, 8.505, 44.520

■ 19, 16.489,
239.453

■ 33, 11.128, 44.407

■ 18, 16.865,
240.268

■ 34, 13.773, 44.332

Harmonies

Complementary

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



24, 8.127, 227.844



22, 10.048, 44.341

Rectangle

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



24, 8.127, 227.844



24, 8.127, 277.844



24, 8.127, 47.844



24, 8.127, 97.844

Sweetspot

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



24, 8.127, 227.840



35, 3.287, 226.029



26, 16.222, 149.198



17, 2.172, 226.050



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



24, 8.127, 227.840



31, 11.951, 228.897



20, 12.147, 280.925



12, 1.338, 225.905



28, 22.176, 243.084



65, 41.683, 246.883

Inverse Universe

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



21, 16.136, 334.526



26, 24.336, 335.164



25, 11.933, 92.130



12, 2.460, 332.782



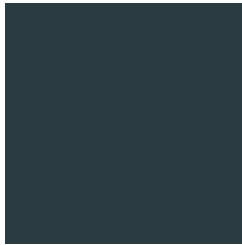
20, 47.491, 340.359



50, 86.476, 341.567

Previews

White Background



This preview shows how the CIE LCh color 24, 8.127, 227.844 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 24, 8.127, 227.844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

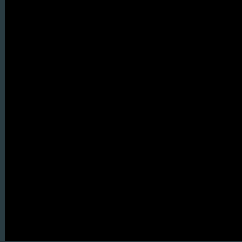
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

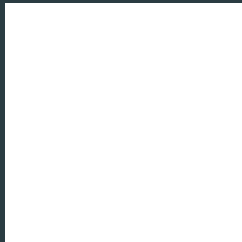
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 8.127, 227.844

Background



This preview shows how black text looks on a background with the CIELCh color 24, 8.127, 227.844.



This preview shows how white text looks on a background with the CIELCh color 24, 8.127, 227.844.

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

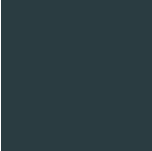
24, 8.127, 227.844

Protanopia

24, 4.653, 285.819

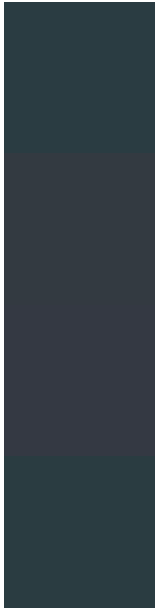
Deuteranopia

24, 7.368, 298.400



Tritanopia
24, 7.899, 223.281

Trichromacy



Original Color

24, 8.127, 227.844

Protanomaly

24, 5.432, 258.117

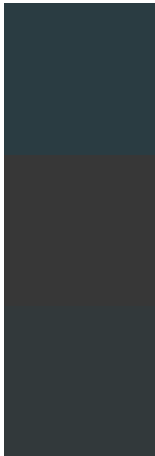
Deuteranomaly

24, 6.903, 273.937

Tritanomaly

24, 7.899, 223.281

Monochromacy



Original Color

24, 8.127, 227.844

Achromatopsia

23, 0.004, 296.813

Achromatomaly

23, 3.315, 222.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 8.127, 227.844 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(42, 60, 66)` looks like.

```
.text, #text, p{  
    color:rgb(42, 60, 66)  
}
```

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(42, 60, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 60, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 8.127, 227.844 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(42, 60, 66) }
```

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

```
.border{ border-color:rgb(42, 60, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 60, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 60, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 60, 66);  
box-shadow:4px 4px 4px 4px rgb(42, 60, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 8.127, 227.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 60, 66) }
```

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

```
.background{ background-color: rgb(42, 60,  
66) }
```

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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