

Converting Colors

CIELCh(24, 14.931, 160.137)

Have a look what the booklet for
CIELCh(24, 14.931, 160.137)
contains.

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Color

CIELCh(24, 15.376, 159.850)

Conversions

Conversions Part 1

Format	Color
Hex	233F31
RGB	35, 63, 49
RGB Percent	14%, 25%, 19%
CMY	0.8637, 0.7539, 0.8088
CMYK	0.45, 0.00, 0.22, 0.75
HSL	150°, 29%, 19%
HSV	150°, 45%, 25%
XYZ	2.9980, 4.1002, 3.5128
YIQ	53.0320, -12.1940, -10.2900

Conversions

Conversions Part 2

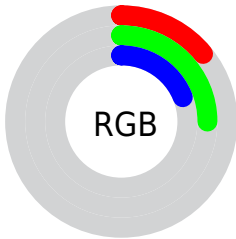
Format	Color
R_YB	35, 54, 63
Decimal	2309937
CIE Lab	24.00, -14.43, 5.30
CIE LCh	24, 15.376, 159.850
Yxy	4.1002, 0.2825, 0.3864
Android (android.graphics.Color)	4280500017 (0xFF233F31)
YUV	53.0320, -1.9878, -15.8141
Hunter-Lab	20.2490, -9.0079, 3.8887

Details

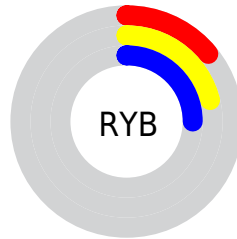
The CIELCh color **24, 15.376, 159.850** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 16.106, 347.506**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 15.536, 159.639**, and **5, 12.684, 145.469** is the 20% darker color. If you saturate the color by 10%, you get **24, 18.571, 158.724**, and if you desaturate by 10%, it is **24, 12.041, 160.862**.

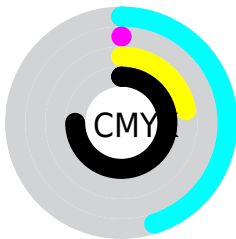
Distribution



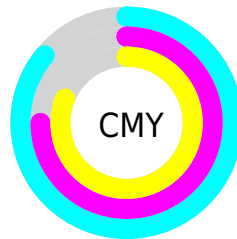
- Red (14%)
- Green (25%)
- Blue (19%)



- Red (14%)
- Yellow (21%)
- Blue (25%)



- Cyan (45%)
- Magenta (0%)
- Yellow (22%)
- Black (75%)





- Cyan (86%)
- Magenta (75%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 15.376, 159.850 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, 15.376, 159.850 by changing the saturation by 10% instead.

 24, 15.376,
159.850


 24, 15.376,
159.850

 100, 15.376,
159.850


 14, 15.376,
159.850


 44, 15.376,
159.850


 4, 15.376, 159.850

 54, 15.376,
159.850

 0, 15.376, 159.850

 64, 15.376,
159.850

 74, 15.376,
159.850

 84, 15.376,
159.850

 94, 15.376,

159.850

■ 24, 15.376,
159.850

■ 24, 15.376,
159.850

■ 24, 18.571,
158.724

■ 24, 12.041,
160.862

■ 23, 21.578,
157.468

■ 25, 8.608, 161.778

■ 23, 24.356,
156.067

■ 26, 5.120, 162.618

■ 26, 1.612, 163.448

■ 23, 26.872,
154.508

■ 27, 1.885, 343.934

■ 23, 29.286,
153.060

■ 28, 5.349, 344.636

■ 28, 8.761, 345.243

■ 22, 30.601,
152.401

■ 29, 12.107,

345.805

■ 30, 15.380,
346.329

Harmonies

Complementary

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



24, 15.376, 159.850



18, 16.106, 347.506

Rectangle

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



24, 15.376, 159.850



24, 15.376, 209.850



24, 15.376, 339.850



24, 15.376, 29.850

Sweetspot

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



24, 15.377, 159.849



34, 5.670, 162.702



25, 19.290, 127.247



16, 3.900, 162.621



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 15.377, 159.849



31, 22.788, 158.512



24, 11.067, 197.559



11, 1.904, 163.121



35, 41.604, 150.805



78, 80.628, 148.859

Inverse Universe

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



18, 16.106, 347.506



22, 24.046, 348.907



17, 14.561, 23.132



10, 1.924, 344.209



18, 41.217, 359.046



48, 76.215, 2.592

Previews

White Background



This preview shows how the CIELCh color 24, 15.376, 159.850 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, 15.376, 159.850 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, 15.376, 159.850

Background



This preview shows how black text looks on a background with the CIELCh color 24, 15.376, 159.850.



This preview shows how white text looks on a background with the CIELCh color 24, 15.376, 159.850.

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

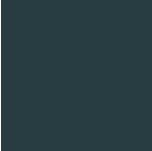
24, 15.376, 159.850

Protanopia

24, 7.395, 97.175

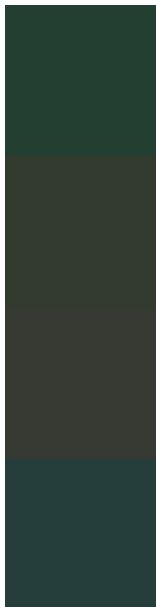
Deuteranopia

24, 5.877, 54.111



Tritanopia
24, 9.065, 215.148

Trichromacy



Original Color
24, 15.376, 159.850

Protanomaly
24, 8.791, 133.902

Deuteranomaly
24, 5.620, 128.550

Tritanomaly
24, 10.538, 186.657

Monochromacy



Original Color
24, 15.376, 159.850

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 6.454, 159.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 15.376, 159.850 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(35, 63, 49)` looks like.

```
.text, #text, p{  
    color:rgb(35, 63, 49)  
}
```

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(35, 63, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 63, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 15.376, 159.850 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(35, 63, 49) }
```

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

```
.border{ border-color:rgb(35, 63, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 63, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 63, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 63, 49);  
box-shadow:4px 4px 4px 4px rgb(35, 63, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 15.376, 159.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 63, 49) }
```

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

```
.background{ background-color: rgb(35, 63,  
49) }
```

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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