

Converting Colors

CIELCh(24, 13.050, 175.459)

Have a look what the booklet for
CIELCh(24, 13.050, 175.459)
contains.

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Color

CIELCh(24, 12.955, 176.067)

Conversions

Conversions Part 1

Format	Color
Hex	213E37
RGB	33, 62, 55
RGB Percent	13%, 24%, 22%
CMY	0.8690, 0.7552, 0.7827
CMYK	0.46, 0.00, 0.11, 0.76
HSL	165°, 30%, 19%
HSV	165°, 46%, 24%
XYZ	3.0848, 4.1002, 4.2941
YIQ	52.5310, -15.0370, -8.3250

Conversions

Conversions Part 2

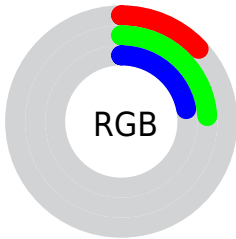
Format	Color
R_{YB}	33, 49, 62
Decimal	2178615
CIE Lab	24.00, -12.92, 0.89
CIE LCh	24, 12.955, 176.067
Yxy	4.1002, 0.2687, 0.3572
Android (android.graphics.Color)	4280368695 (0xFF213E37)
YUV	52.5310, 1.2172, -17.1287
Hunter-Lab	20.2490, -8.2426, 1.6010




Details

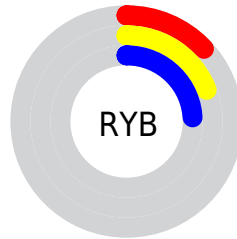
The CIELCh color **24, 12.955, 176.067** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 15.059, 5.161**, and the grayscale version is **22, 0.004, 296.813**.




A 20% lighter version of the original color is **44, 13.123, 176.378**, and **5, 8.852, 160.871** is the 20% darker color. If you saturate the color by 10%, you get **24, 15.321, 175.010**, and if you desaturate by 10%, it is **24, 10.395, 177.046**.

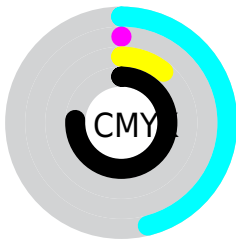
Distribution







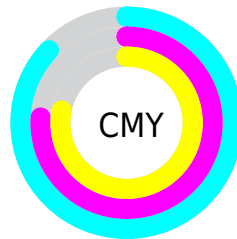
-  Red (13%)
-  Green (24%)
-  Blue (22%)






-  Red (13%)
-  Yellow (19%)
-  Blue (24%)



-  Cyan (46%)
-  Magenta (0%)
-  Yellow (11%)
-  Black (76%)





-  Cyan (87%)
-  Magenta (76%)
-  Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 12.955, 176.067 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, 12.955, 176.067 by changing the saturation by 10% instead.

 24, 12.955,
176.067


 24, 12.955,
176.067

 100, 12.955,
176.067


 14, 12.955,
176.067


 44, 12.955,
176.067


 4, 12.955, 176.067

 54, 12.955,
176.067

 0, 12.955, 176.067

 64, 12.955,
176.067

 74, 12.955,
176.067

 84, 12.955,
176.067

 94, 12.955,

176.067

■ 24, 12.955,
176.067

■ 24, 12.955,
176.067

■ 24, 15.321,
175.010

■ 24, 10.395,
177.046

■ 23, 17.457,
173.864

■ 25, 7.677, 177.967

■ 23, 19.333,
172.613

■ 25, 4.841, 178.844

■ 26, 1.920, 179.728

■ 23, 20.943,
171.250

■ 27, 1.054, 0.186

■ 23, 22.514,
170.006

■ 27, 4.055, 1.084

■ 28, 7.061, 1.823

■ 23, 23.082,
169.613

■ 29, 10.053, 2.523

Harmonies

Complementary

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



24, 12.955, 176.067



17, 15.059, 5.161

Rectangle

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



24, 12.955, 176.067



24, 12.955, 226.067



24, 12.955, 356.067



24, 12.955, 46.067

Sweetspot

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



24, 12.955, 176.065



34, 5.152, 179.003



24, 21.484, 135.168



16, 3.493, 178.929



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, 12.955, 176.065



31, 18.874, 174.783



22, 9.600, 228.918



11, 1.616, 179.549



35, 31.072, 168.255



79, 59.253, 166.565

Inverse Universe

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



17, 15.059, 5.161



21, 22.852, 7.252



19, 12.685, 44.274



10, 1.659, 0.725



18, 42.583, 22.032



47, 81.929, 26.900

Previews

White Background



This preview shows how the CIELCh color 24, 12.955, 176.067 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, 12.955, 176.067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

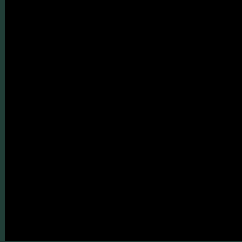
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

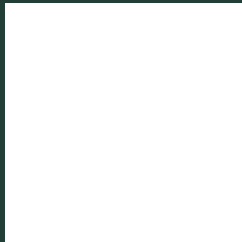
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 12.955, 176.067

Background



This preview shows how black text looks on a background with the CIELCh color 24, 12.955, 176.067.



This preview shows how white text looks on a background with the CIELCh color 24, 12.955, 176.067.

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, 12.955, 176.067

Protanopia

24, 3.428, 93.487

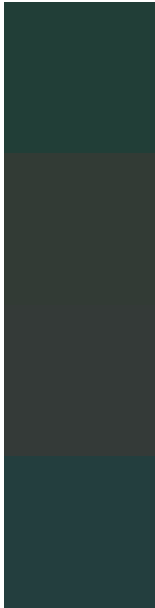
Deuteranopia

24, 3.499, 357.836



Tritanopia
24, 10.132, 217.151

Trichromacy



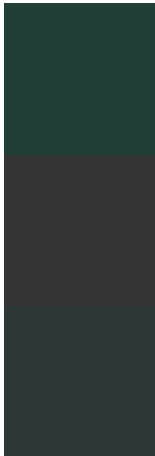
Original Color
24, 12.955, 176.067

Protanomaly
24, 5.749, 154.717

Deuteranomaly
24, 3.030, 172.943

Tritanomaly
24, 10.745, 197.598

Monochromacy



Original Color
24, 12.955, 176.067

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 4.681, 181.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 12.955, 176.067 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(33, 62, 55)` looks like.

```
.text, #text, p{  
    color:rgb(33, 62, 55)  
}
```

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(33, 62, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 62, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 12.955, 176.067 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(33, 62, 55) }
```

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

```
.border{ border-color:rgb(33, 62, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 62, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 62, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 62, 55);  
box-shadow:4px 4px 4px 4px rgb(33, 62, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 12.955, 176.067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 62, 55) }
```

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

```
.background{ background-color: rgb(33, 62,  
55) }
```

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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