

Converting Colors

CIELCh(24, 17.730, 151.167)

Have a look what the booklet for
CIELCh(24, 17.730, 151.167)
contains.

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Color

CIELCh(24, 17.750, 151.762)

Conversions

Conversions Part 1

Format	Color
Hex	233F2C
RGB	35, 63, 44
RGB Percent	14%, 25%, 17%
CMY	0.8626, 0.7528, 0.8273
CMYK	0.44, 0.00, 0.30, 0.75
HSL	139°, 29%, 19%
HSV	139°, 44%, 25%
XYZ	2.9300, 4.1002, 3.0240
YIQ	52.4620, -10.5890, -11.8450

Conversions

Conversions Part 2

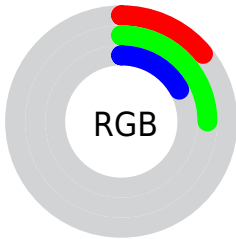
Format	Color
RYB	35, 56, 63
Decimal	2309932
CIELab	24.00, -15.64, 8.40
CIElCh	24, 17.750, 151.762
Yxy	4.1002, 0.2914, 0.4078
Android (android.graphics.Color)	4280500012 (0xFF233F2C)
YUV	52.4620, -4.1718, -15.3142
Hunter-Lab	20.2490, -9.6069, 5.3198

Details

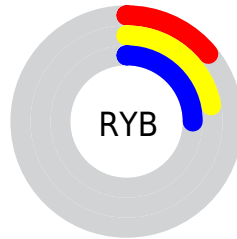
The CIELCh color **24, 17.750, 151.762** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 17.995, 338.143**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 17.667, 152.285**, and **5, 13.016, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 21.536, 150.706**, and if you desaturate by 10%, it is **24, 13.830, 152.697**.

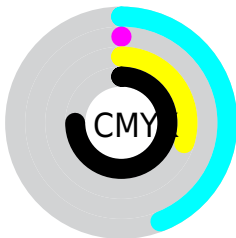
Distribution



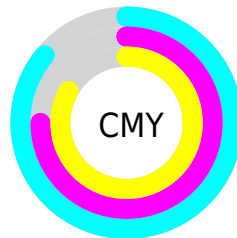
- Red (14%)
- Green (25%)
- Blue (17%)



- Red (14%)
- Yellow (22%)
- Blue (25%)



- Cyan (44%)
- Magenta (0%)
- Yellow (30%)
- Black (75%)




- Cyan (86%)
- Magenta (75%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 17.750, 151.762 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, 17.750, 151.762 by changing the saturation by 10% instead.

 24, 17.750,
151.762


 24, 17.750,
151.762

 100, 17.750,
151.762


 14, 17.750,
151.762


 44, 17.750,
151.762


 4, 17.750, 151.762

 54, 17.750,
151.762

 0, 17.750, 151.762

 64, 17.750,
151.762

 74, 17.750,
151.762

 84, 17.750,
151.762

 94, 17.750,

151.762

■ 24, 17.750,
151.762

■ 24, 17.750,
151.762

■ 24, 21.536,
150.706

■ 24, 13.830,
152.697

■ 23, 25.130,
149.516

■ 25, 9.828, 153.527

■ 23, 28.474,
148.183

■ 26, 5.793, 154.270

■ 26, 1.765, 154.983

■ 23, 31.516,
146.704

■ 27, 2.226, 335.412

■ 22, 34.382,
145.361

■ 28, 6.153, 335.982

■ 22, 35.957,
144.763

■ 29, 10.001,
336.468

■ 30, 13.757,
336.905

■ 31, 17.413,
337.304

Harmonies

Complementary

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



24, 17.750, 151.762



18, 17.995, 338.143

Rectangle

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



24, 17.750, 151.762



24, 17.750, 201.762



24, 17.750, 331.762



24, 17.750, 21.762

Sweetspot

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



24, 17.751, 151.762



34, 6.475, 154.330



25, 18.488, 120.244



16, 4.455, 154.260



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, 17.751, 151.762



31, 25.975, 150.608



24, 12.060, 180.907



11, 2.170, 154.692



34, 48.794, 143.295



78, 94.559, 141.557

Inverse Universe

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



18, 17.995, 338.143



22, 26.281, 339.028



18, 14.350, 9.245



10, 2.181, 335.624



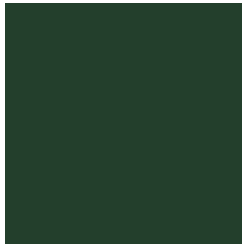
19, 44.573, 344.959



49, 81.810, 346.785

Previews

White Background



This preview shows how the CIELCh color 24, 17.750, 151.762 looks on a white background.

Color Contrast Check

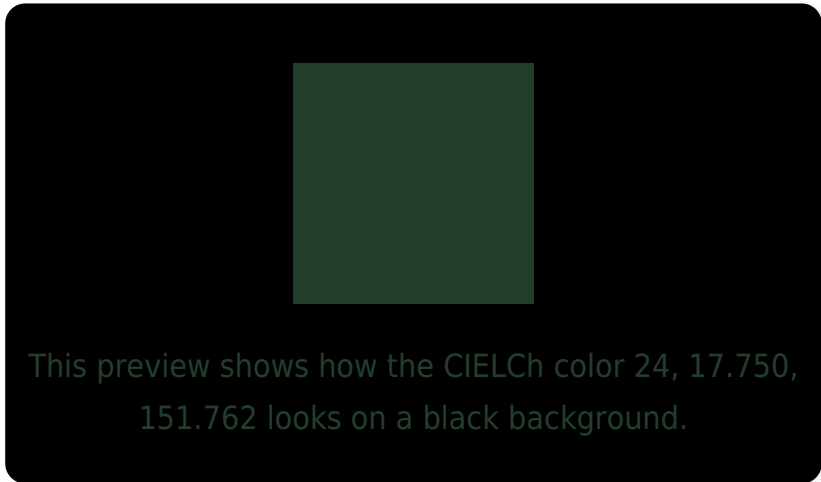
Large Text (above 18pt) WCAG AA ✓ Pass

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

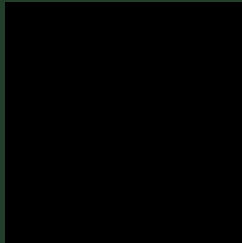
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 17.750, 151.762

Background



This preview shows how black text looks on a background with the CIELCh color 24, 17.750, 151.762.



This preview shows how white text looks on a background with the CIELCh color 24, 17.750, 151.762.

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

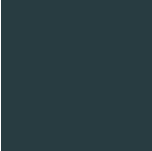
24, 17.750, 151.762

Protanopia

24, 10.709, 97.089

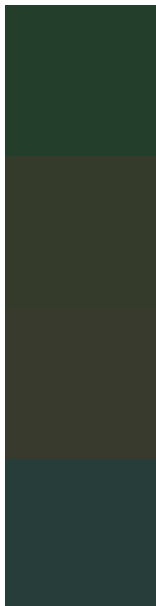
Deuteranopia

24, 8.110, 66.751



Tritanopia
24, 8.554, 221.160

Trichromacy



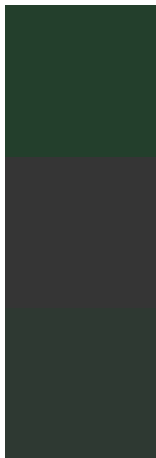
Original Color
24, 17.750, 151.762

Protanomaly
24, 11.665, 124.695

Deuteranomaly
24, 8.680, 117.931

Tritanomaly
24, 10.082, 182.301

Monochromacy



Original Color
24, 17.750, 151.762

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 6.912, 155.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 17.750, 151.762 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(35, 63, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 63, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 17.750, 151.762 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, 44) }
```

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

```
.border{ border-color:rgb(35, 63, 44) }
```

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, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 63, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 63, 44);  
box-shadow:4px 4px 4px 4px rgb(35, 63, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 17.750, 151.762 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, 44) }
```

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

```
.background{ background-color: rgb(35, 63,  
44) }
```

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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