

Converting Colors

CIELCh(24, 23.430, 136.121)

Have a look what the booklet for
CIELCh(24, 23.430, 136.121)
contains.

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Color

CIELCh(24, 23.278, 136.550)

Conversions

Conversions Part 1

Format	Color
Hex	263F20
RGB	38, 63, 32
RGB Percent	15%, 25%, 13%
CMY	0.8502, 0.7521, 0.8737
CMYK	0.40, 0.00, 0.49, 0.75
HSL	108°, 33%, 19%
HSV	108°, 49%, 25%
XYZ	2.8598, 4.1002, 2.0213
YIQ	51.9910, -4.9490, -14.9410

Conversions

Conversions Part 2

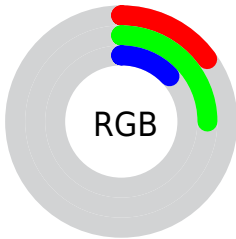
Format	Color
R_YB	32, 63, 57
Decimal	2506528
CIE Lab	24.00, -16.90, 16.01
CIE LCh	24, 23.278, 136.550
Yxy	4.1002, 0.3184, 0.4565
Android (android.graphics.Color)	4280696608 (0xFF263F20)
YUV	51.9910, -9.8556, -12.2701
Hunter-Lab	20.2490, -10.2255, 8.2558

Details

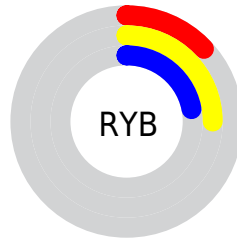
The CIELCh color $[24, 23.278, 136.550]$ is a dark color, and the websafe version is hex `003300`. A complement of this color would be $[17, 23.680, 320.860]$, and the grayscale version is $[22, 0.004, 296.813]$.

A 20% lighter version of the original color is $[44, 23.252, 137.125]$, and $[5, 13.016, 144.443]$ is the 20% darker color. If you saturate the color by 10%, you get $[24, 27.729, 135.947]$, and if you desaturate by 10%, it is $[24, 18.640, 137.139]$.

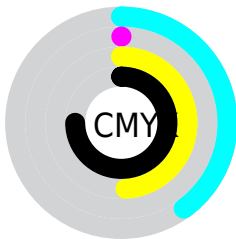
Distribution



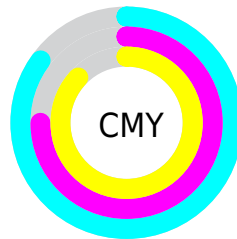
- Red (15%)
- Green (25%)
- Blue (13%)



- Red (13%)
- Yellow (25%)
- Blue (22%)



- Cyan (40%)
- Magenta (0%)
- Yellow (49%)
- Black (75%)





- Cyan (85%)
- Magenta (75%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 23.278, 136.550 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, 23.278, 136.550 by changing the saturation by 10% instead.

 24, 23.278,
136.550


 24, 23.278,
136.550

 100, 23.278,
136.550


 14, 23.278,
136.550


 44, 23.278,
136.550


 4, 23.278, 136.550

 54, 23.278,
136.550

 0, 23.278, 136.550

 64, 23.278,
136.550

 74, 23.278,
136.550

 84, 23.278,
136.550

 94, 23.278,

136.550

■ 24, 23.278,
136.550

■ 24, 23.278,
136.550

■ 24, 27.729,
135.947

■ 24, 18.640,
137.139

■ 23, 31.887,
135.365

■ 25, 13.893,
137.690

■ 23, 35.621,
134.865

■ 26, 9.101, 138.195

■ 26, 4.309, 138.656

■ 23, 38.787,
134.563

■ 27, 0.446, 318.825

■ 23, 41.748,
134.148

■ 28, 5.139, 319.366

■ 23, 42.018,
134.099

■ 28, 9.751, 319.681

■ 29, 14.269,
319.952

■ 30, 18.686,
320.186

Harmonies

Complementary

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



24, 23.278, 136.550



17, 23.680, 320.860

Rectangle

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



24, 23.278, 136.550



24, 23.278, 186.550



24, 23.278, 316.550



24, 23.278, 6.550

Sweetspot

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



24, 23.279, 136.551



34, 8.846, 138.357



24, 16.498, 95.330



16, 5.934, 138.323



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, 23.279, 136.551



31, 34.140, 135.800



24, 19.906, 150.458



11, 2.567, 138.687



34, 56.388, 134.059



78, 106.108, 134.833

Inverse Universe

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



17, 23.680, 320.860



20, 34.781, 321.234



17, 20.119, 337.533



10, 2.579, 319.297



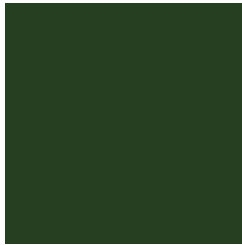
17, 56.755, 321.359



45, 105.949, 320.843

Previews

White Background



This preview shows how the CIELCh color 24, 23.278, 136.550 looks on a white background.

Color Contrast Check

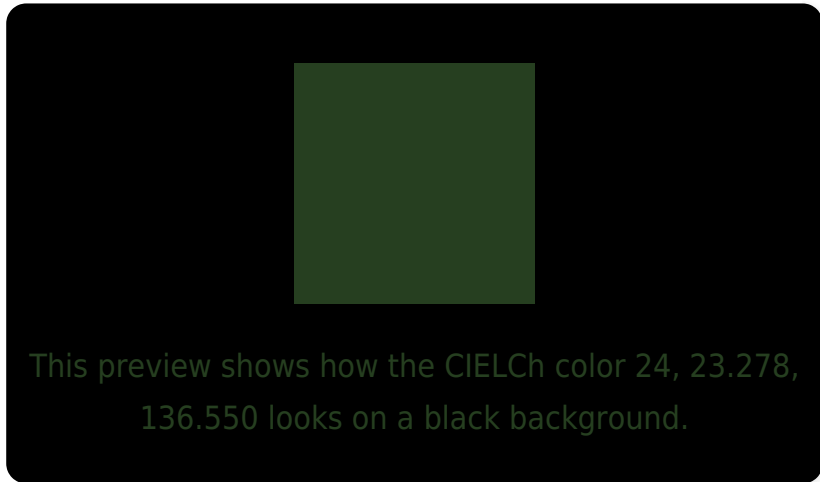
Large Text (above 18pt) WCAG AA ✓ Pass

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

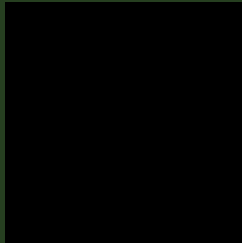
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 23.278, 136.550

Background



This preview shows how black text looks on a background with the CIELCh color 24, 23.278, 136.550.



This preview shows how white text looks on a background with the CIELCh color 24, 23.278, 136.550.

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

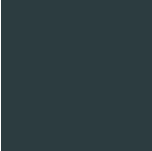
24, 23.278, 136.550

Protanopia

24, 17.821, 96.146

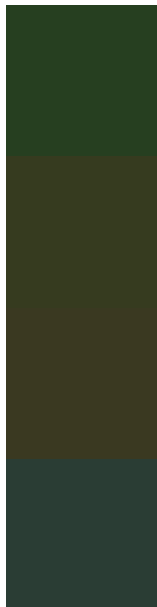
Deuteranopia

24, 15.497, 76.775



Tritanopia
24, 7.027, 220.681

Trichromacy



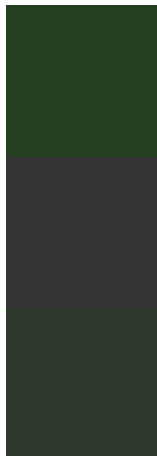
Original Color
24, 23.278, 136.550

Protanomaly
24, 18.248, 114.285

Deuteranomaly
23, 15.650, 104.829

Tritanomaly
24, 10.395, 162.593

Monochromacy



Original Color
24, 23.278, 136.550

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 8.502, 138.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 23.278, 136.550 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(38, 63, 32)` looks like.

```
.text, #text, p{  
    color:rgb(38, 63, 32)  
}
```

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(38, 63, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 63, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 23.278, 136.550 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(38, 63, 32) }
```

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

```
.border{ border-color:rgb(38, 63, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 63, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 63, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 63, 32);  
box-shadow:4px 4px 4px 4px rgb(38, 63, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 23.278, 136.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 63, 32) }
```

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

```
.background{ background-color: rgb(38, 63,  
32) }
```

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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