

Converting Colors

CIELCh(24, 12.798, 136.545)

Have a look what the booklet for
CIELCh(24, 12.798, 136.545)
contains.

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Color

CIELCh(24, 12.763, 136.563)

Conversions

Conversions Part 1

Format	Color
Hex	303D2C
RGB	48, 61, 44
RGB Percent	19%, 24%, 17%
CMY	0.8131, 0.7621, 0.8287
CMYK	0.21, 0.00, 0.28, 0.76
HSL	106°, 16%, 20%
HSV	106°, 28%, 24%
XYZ	3.3019, 4.1002, 2.9679
YIQ	55.1750, -2.2910, -8.0430

Conversions

Conversions Part 2

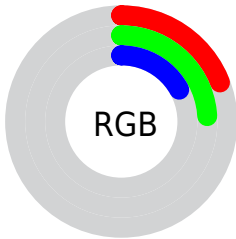
Format	Color
RYB	44, 61, 57
Decimal	3161388
CIELab	24.00, -9.27, 8.78
CIElCh	24, 12.763, 136.563
Yxy	4.1002, 0.3184, 0.3954
Android (android.graphics.Color)	4281351468 (0xFF303D2C)
YUV	55.1750, -5.5093, -6.2925
Hunter-Lab	20.2490, -6.3289, 5.4841

Details

The CIELCh color **24, 12.763, 136.563** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 12.938, 318.802**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 12.291, 137.411**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 17.299, 136.055**, and if you desaturate by 10%, it is **25, 8.193, 137.035**.

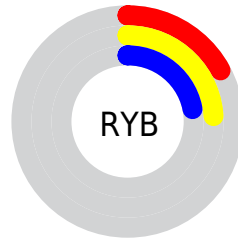
Distribution



Red (19%)

Green (24%)

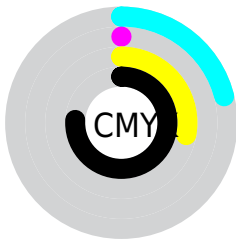
Blue (17%)



Red (17%)

Yellow (24%)

Blue (22%)

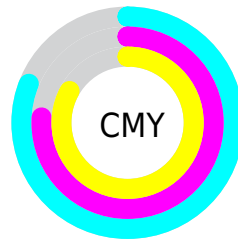


Cyan (21%)

Magenta (0%)

Yellow (28%)

Black (76%)



Cyan (81%)


Magenta (76%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 12.763, 136.563 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, 12.763, 136.563 by changing the saturation by 10% instead.

 24, 12.763,
136.563


 24, 12.763,
136.563

 100, 12.763,
136.563


 14, 12.763,
136.563


 44, 12.763,
136.563

 4, 12.763, 136.563

 54, 12.763,
136.563

 0, 12.763, 136.563

 64, 12.763,
136.563

 74, 12.763,
136.563

 84, 12.763,
136.563

 94, 12.763,

136.563

■ 24, 12.763,
136.563

■ 24, 12.763,
136.563

■ 24, 17.299,
136.055

■ 25, 8.193, 137.035

■ 23, 21.745,
135.516

■ 25, 3.626, 137.470

■ 23, 26.030,
134.969

■ 26, 0.906, 317.728

■ 22, 30.064,
134.450

■ 27, 9.782, 318.442

■ 22, 33.729,
134.013

■ 28, 14.099,
318.702

■ 22, 36.821,
133.870

■ 29, 18.326,
318.928

■ 22, 39.722,
133.644

■ 29, 22.457,
319.125

■ 22, 40.292,
133.577

■ 30, 26.491,
319.295

Harmonies

Complementary

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



24, 12.763, 136.563



20, 12.938, 318.802

Rectangle

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



24, 12.763, 136.563



24, 12.763, 186.563



24, 12.763, 316.563



24, 12.763, 6.563

Sweetspot

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



24, 12.764, 136.564



33, 4.522, 137.454



24, 8.663, 94.298



16, 3.245, 137.420



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, 12.764, 136.564



31, 19.314, 136.182



24, 11.515, 150.527



11, 2.535, 137.451



34, 55.952, 133.443



78, 105.405, 134.324

Inverse Universe

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



20, 12.938, 318.802



25, 19.645, 319.087



20, 11.590, 333.960



10, 2.550, 318.042



16, 57.077, 320.002



44, 106.631, 319.397

Previews

White Background



This preview shows how the CIELCh color 24, 12.763, 136.563 looks on a white background.

Color Contrast Check

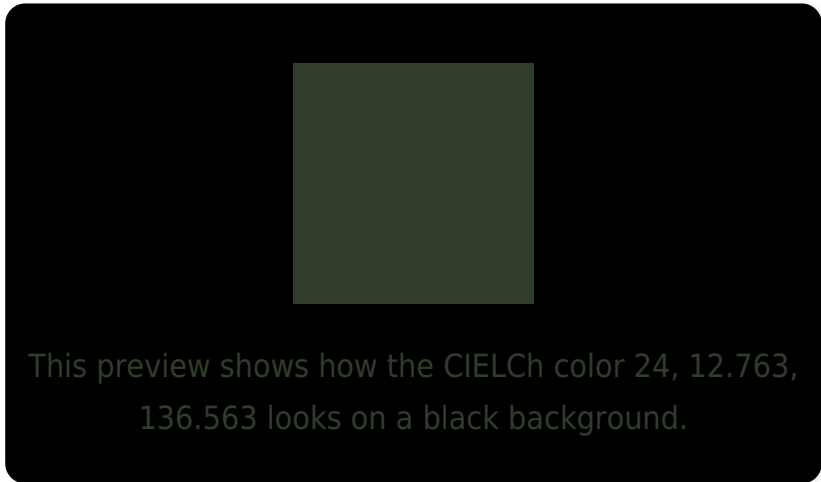
Large Text (above 18pt) WCAG AA ✓ Pass

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

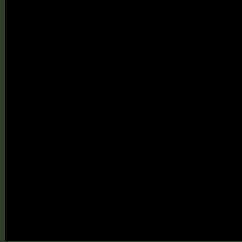
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

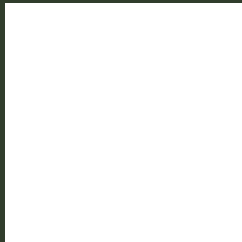
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 12.763, 136.563

Background



This preview shows how black text looks on a background with the CIELCh color 24, 12.763, 136.563.

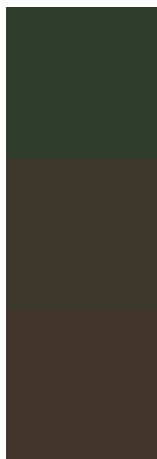


This preview shows how white text looks on a background with the CIELCh color 24, 12.763, 136.563.

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, 12.763, 136.563

Protanopia

24, 10.068, 96.591

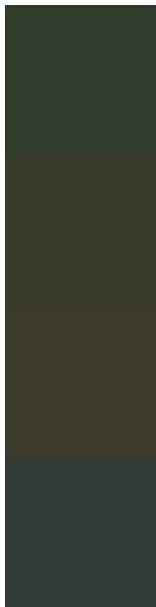
Deuteranopia

24, 8.970, 66.984



Tritanopia
24, 4.411, 248.000

Trichromacy



Original Color
24, 12.763, 136.563

Protanomaly
24, 9.900, 113.703

Deuteranomaly
24, 8.041, 97.904

Tritanomaly
24, 4.522, 172.514

Monochromacy



Original Color
24, 12.763, 136.563

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 4.629, 139.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 12.763, 136.563 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(48, 61, 44)` looks like.

```
.text, #text, p{  
    color:rgb(48, 61, 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(48, 61, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 61, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 12.763, 136.563 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(48, 61, 44) }
```

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

```
.border{ border-color:rgb(48, 61, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 61, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 61, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 61, 44);  
box-shadow:4px 4px 4px 4px rgb(48, 61, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 12.763, 136.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 61, 44) }
```

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

```
.background{ background-color: rgb(48, 61,  
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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