

Converting Colors

CIELCh(24, 20.311, 124.653)

Have a look what the booklet for
CIELCh(24, 20.311, 124.653)
contains.

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Color

CIELCh(24, 20.354, 124.627)

Conversions

Conversions Part 1

Format	Color
Hex	303D1F
RGB	48, 61, 31
RGB Percent	19%, 24%, 12%
CMY	0.8108, 0.7598, 0.8775
CMYK	0.21, 0.00, 0.49, 0.76
HSL	86°, 32%, 18%
HSV	86°, 49%, 24%
XYZ	3.1643, 4.1002, 1.9378
YIQ	53.6930, 1.8820, -12.0860

Conversions

Conversions Part 2

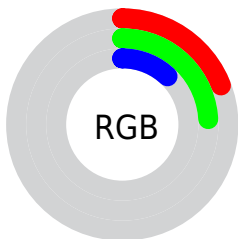
Format	Color
RYB	31, 61, 44
Decimal	3161375
CIELab	24.00, -11.57, 16.75
CIELCh	24, 20.354, 124.627
Yxy	4.1002, 0.3439, 0.4456
Android (android.graphics.Color)	4281351455 (0xFF303D1F)
YUV	53.6930, -11.1876, -4.9928
Hunter-Lab	20.2490, -7.5417, 8.5004

Details

The CIELCh color **24, 20.354, 124.627** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 21.873, 309.093**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 19.770, 124.325**, and **5, 11.348, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 24.249, 124.263**, and if you desaturate by 10%, it is **24, 16.310, 125.044**.

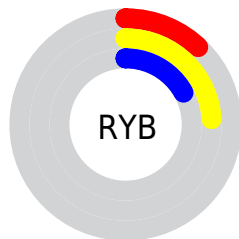
Distribution



Red (19%)

Green (24%)

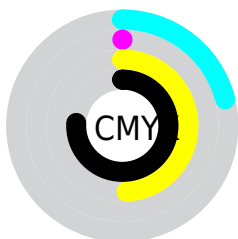
Blue (12%)



Red (12%)

Yellow (24%)

Blue (17%)

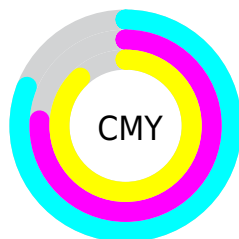


Cyan (21%)

Magenta (0%)

Yellow (49%)

Black (76%)



Cyan (81%)


Magenta (76%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 20.354, 124.627 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, 20.354, 124.627 by changing the saturation by 10% instead.

 24, 20.354,
124.627

 24, 20.354,
124.627

 100, 20.354,
124.627

 14, 20.354,
124.627


 44, 20.354,
124.627

 4, 20.354, 124.627

 54, 20.354,
124.627

 0, 20.354, 124.627

 64, 20.354,
124.627

 74, 20.354,
124.627

 84, 20.354,
124.627

 94, 20.354,

124.627

■ 24, 20.354,
124.627

■ 24, 20.354,
124.627

■ 24, 24.249,
124.263

■ 24, 16.310,
125.044

■ 23, 27.911,
123.991

■ 25, 12.174,
125.480

■ 23, 31.233,
123.871

■ 25, 7.987, 125.918

■ 25, 3.781, 126.348

■ 23, 34.076,
124.036

■ 26, 0.424, 306.644

■ 23, 36.839,
124.217

■ 26, 4.609, 307.114

■ 23, 37.115,
124.232

■ 27, 8.764, 307.474

■ 27, 12.878,
307.804

■ 28, 16.946,
308.108

Harmonies

Complementary

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



24, 20.354, 124.627



15, 21.873, 309.093

Rectangle

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



24, 20.354, 124.627



24, 20.354, 174.627



24, 20.354, 304.627



24, 20.354, 354.627

Sweetspot

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



24, 20.355, 124.629



33, 7.798, 126.062



20, 12.829, 61.468



16, 5.369, 126.028



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, 20.355, 124.629



31, 29.883, 124.182



23, 23.429, 139.308



11, 2.329, 126.372



36, 51.097, 124.581



80, 96.230, 125.858

Inverse Universe

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



15, 21.873, 309.093



17, 32.828, 309.780



17, 23.538, 324.216



10, 2.359, 307.040



11, 60.694, 311.218



33, 114.091, 310.356

Previews

White Background



This preview shows how the CIELCh color 24, 20.354, 124.627 looks on a white background.

Color Contrast Check

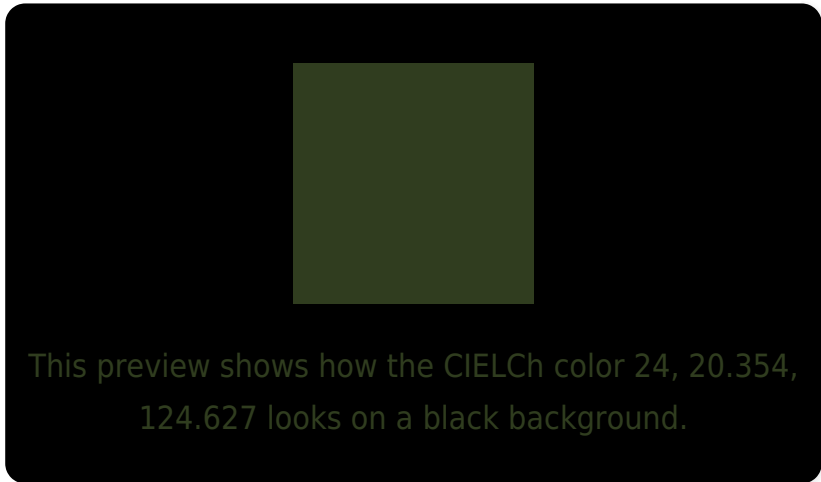
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.354, 124.627

Background



This preview shows how black text looks on a background with the CIELCh color 24, 20.354, 124.627.

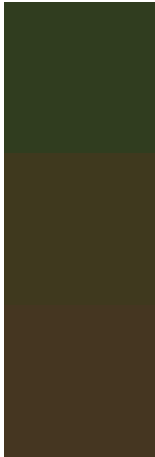


This preview shows how white text looks on a background with the CIELCh color 24, 20.354, 124.627.

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

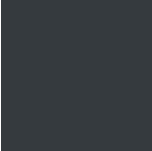
24, 20.354, 124.627

Protanopia

24, 17.821, 96.146

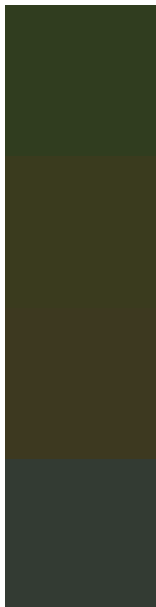
Deuteranopia

24, 16.072, 77.707



Tritanopia
24, 3.389, 250.807

Trichromacy



Original Color
24, 20.354, 124.627

Protanomaly
24, 18.672, 107.707

Deuteranomaly
24, 16.412, 99.314

Tritanomaly
24, 6.486, 143.758

Monochromacy



Original Color
24, 20.354, 124.627

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 7.672, 126.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 20.354, 124.627 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(48, 61, 31)  
}
```

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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 61, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 20.354, 124.627 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, 31) }
```

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

```
.border{ border-color:rgb(48, 61, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 61, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 61, 31);  
box-shadow:4px 4px 4px 4px rgb(48, 61, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 20.354, 124.627 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, 31) }
```

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

```
.background{ background-color: rgb(48, 61,  
31) }
```

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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