

Converting Colors

CIELCh(24, 30.117, 135.350)

Have a look what the booklet for
CIELCh(24, 30.117, 135.350)
contains.

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Color

CIELCh(24, 30.590, 135.100)

Conversions

Conversions Part 1

Format	Color
Hex	204117
RGB	32, 65, 23
RGB Percent	13%, 25%, 9%
CMY	0.8760, 0.7465, 0.9111
CMYK	0.51, 0.00, 0.65, 0.75
HSL	107°, 48%, 17%
HSV	107°, 65%, 25%
XYZ	2.6047, 4.1002, 1.4470
YIQ	50.3450, -6.1860, -20.0580

Conversions

Conversions Part 2

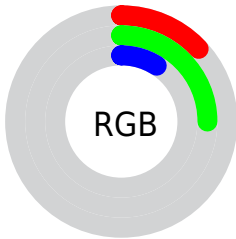
Format	Color
RYB	23, 65, 56
Decimal	2113815
CIELab	24.00, -21.67, 21.59
CIELCh	24, 30.590, 135.100
Yxy	4.1002, 0.3195, 0.5030
Android (android.graphics.Color)	4280303895 (0xFF204117)
YUV	50.3450, -13.4811, -16.0886
Hunter-Lab	20.2490, -12.4743, 9.9375

Details

The CIELCh color **24, 30.590, 135.100** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **14, 31.278, 320.705**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 30.714, 134.970**, and **6, 13.900, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 34.568, 134.596**, and if you desaturate by 10%, it is **24, 26.243, 135.668**.

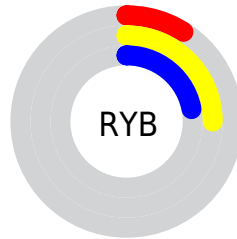
Distribution



Red (13%)

Green (25%)

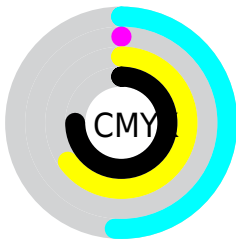
Blue (9%)



Red (9%)

Yellow (25%)

Blue (22%)

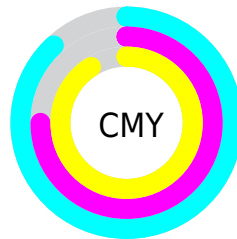


Cyan (51%)

Magenta (0%)

Yellow (65%)

Black (75%)



Cyan (88%)


Magenta (75%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 30.590, 135.100 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, 30.590, 135.100 by changing the saturation by 10% instead.

 24, 30.590,
135.100


 24, 30.590,
135.100

 100, 30.590,
135.100

 14, 30.590,
135.100


 44, 30.590,
135.100


 4, 30.590, 135.100

 54, 30.590,
135.100

 0, 30.590, 135.100

 64, 30.590,
135.100

 74, 30.590,
135.100

 84, 30.590,
135.100

 94, 30.590,

135.100

■ 24, 30.590,
135.100

■ 24, 30.590,
135.100

■ 24, 34.568,
134.596

■ 24, 26.243,
135.668

■ 23, 38.018,
134.239

■ 25, 21.647,
136.247

■ 23, 41.085,
133.924

■ 25, 16.897,
136.806

■ 23, 42.597,
133.691

■ 26, 12.067,
137.326

■ 26, 7.211, 137.802

■ 27, 2.371, 138.250

■ 28, 2.422, 318.547

■ 28, 7.144, 318.900

■ 29, 11.782,
319.193

Harmonies

Complementary

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



24, 30.590, 135.100



14, 31.278, 320.705

Rectangle

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



24, 30.590, 135.100



24, 30.590, 185.100



24, 30.590, 315.100



24, 30.590, 5.100

Sweetspot

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



24, 30.590, 135.101



34, 11.439, 137.575



24, 21.745, 92.434



17, 7.945, 137.512



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24, 30.590, 135.101



31, 44.009, 134.339



24, 26.620, 147.990



12, 2.734, 138.087



35, 57.269, 133.814



79, 106.709, 134.608

Inverse Universe

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



14, 31.278, 320.705



17, 44.907, 320.933



15, 26.609, 338.065



12, 2.748, 318.705



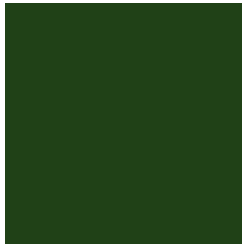
17, 57.979, 320.676



45, 107.187, 320.135

Previews

White Background



This preview shows how the CIE LCh color 24, 30.590, 135.100 looks on a white background.

Color Contrast Check

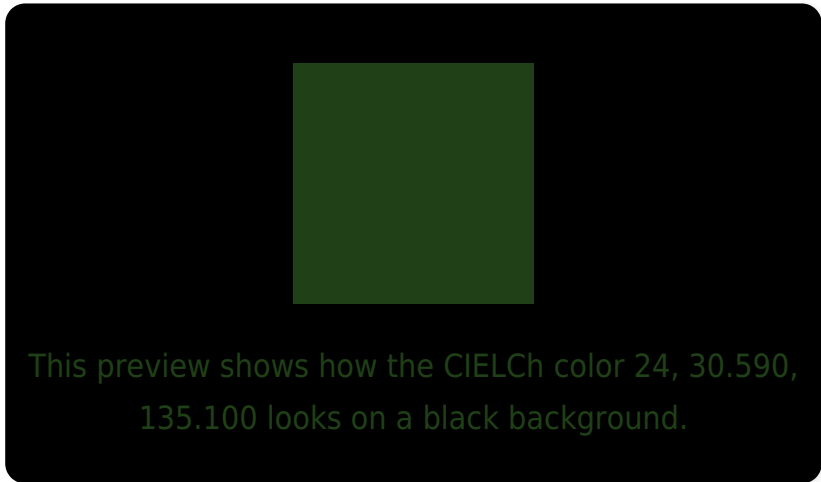
Large Text (above 18pt) WCAG AA ✓ Pass

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

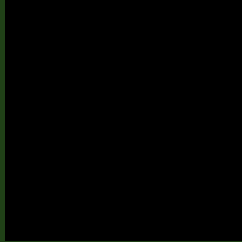
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 30.590, 135.100

Background



This preview shows how black text looks on a background with the CIELCh color 24, 30.590, 135.100.



This preview shows how white text looks on a background with the CIELCh color 24, 30.590, 135.100.

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](#).

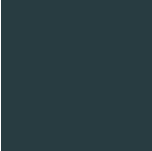
Dichromacy



Original Color
24, 30.590, 135.100

Protanopia
24, 23.212, 95.793

Deuteranopia
24, 20.626, 79.746



Tritanopia
24, 8.554, 221.160

Trichromacy



Original Color
24, 30.590, 135.100

Protanomaly
24, 24.277, 114.889

Deuteranomaly
24, 21.102, 106.967

Tritanomaly
24, 13.604, 161.346

Monochromacy



Original Color
24, 30.590, 135.100

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 11.576, 137.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 30.590, 135.100 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(32, 65, 23)` looks like.

```
.text, #text, p{  
    color:rgb(32, 65, 23)  
}
```

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(32, 65, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 65, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 30.590, 135.100 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(32, 65, 23) }
```

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

```
.border{ border-color:rgb(32, 65, 23) }
```

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

Here you see how a box with a 4 pixel rgb(32, 65, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 65, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 65, 23);  
box-shadow:4px 4px 4px 4px rgb(32, 65, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 30.590, 135.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 65, 23) }
```

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

```
.background{ background-color: rgb(32, 65,  
23) }
```

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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