

Converting Colors

CIELCh(29, 33.125, 192.223)

Have a look what the booklet for
CIELCh(29, 33.125, 192.223)
contains.

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Color

CIELCh(30, 22.394, 191.306)

Conversions

Conversions Part 1	
Format	Color
Hex	00504D
RGB	0, 80, 77
RGB Percent	0%, 31%, 30%
CMY	1.0000, 0.6869, 0.6985
CMYK	1.00, 0.00, 0.04, 0.69
HSL	178°, 100%, 16%
HSV	178°, 100%, 31%
XYZ	4.1678, 6.2359, 7.9810
YIQ	55.7380, -46.7170, -17.8930

Conversions

Conversions Part 2

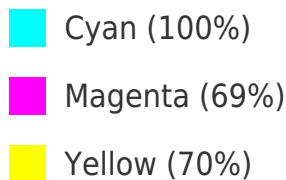
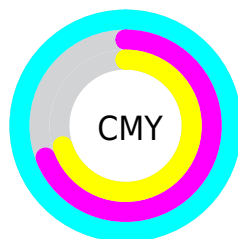
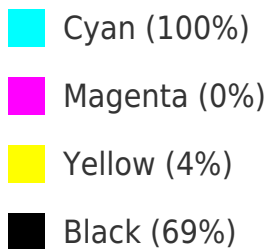
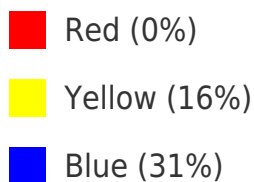
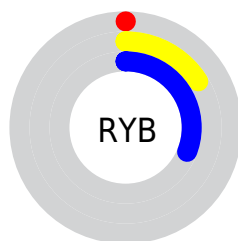
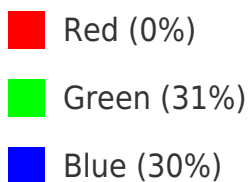
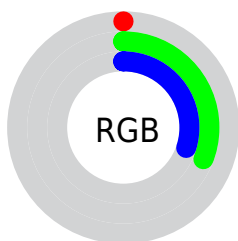
Format	Color
RYB	0, 41, 80
Decimal	20557
CIELab	30.00, -21.96, -4.39
CIELCh	30, 22.394, 191.306
Yxy	6.2359, 0.2267, 0.3392
Android (android.graphics.Color)	4278210637 (0xFF00504D)
YUV	55.7380, 10.4822, -48.8822
Hunter-Lab	24.9718, -13.9089, -1.4688

Details

The CIELCh color **30, 22.394, 191.306** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **14, 40.203, 30.590**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 22.193, 191.040**, and **11, 13.307, 189.875** is the 20% darker color. If you saturate the color by 10%, you get **30, 22.179, 191.287**, and if you desaturate by 10%, it is **30, 21.243, 191.719**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 22.394, 191.306 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 30, 22.394, 191.306 by changing the saturation by 10% instead.


 30, 22.394,
191.306


 30, 22.394,
191.306

 100, 22.394,
191.306


 20, 22.394,
191.306


 50, 22.394,
191.306


 10, 22.394,
191.306

 60, 22.394,
191.306

 0, 22.394, 191.306

 70, 22.394,
191.306

 80, 22.394,
191.306

 90, 22.394,
191.306

■ 30, 22.394,
191.306

■ 30, 22.394,
191.306

■ 30, 22.179,
191.287

■ 30, 21.243,
191.719

■ 30, 20.218,
192.174

■ 31, 18.820,
192.634

■ 31, 17.038,
193.106

■ 31, 14.889,
193.596

■ 32, 12.405,
194.107

■ 32, 9.629, 194.641

■ 33, 6.605, 195.202

Harmonies

Complementary

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



30, 22.394, 191.306



14, 40.203, 30.590

Rectangle

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



30, 22.394, 191.306



30, 22.394, 241.306



30, 22.394, 11.306



30, 22.394, 61.306

Sweetspot

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



30, 22.179, 191.287



42, 11.991, 194.581



29, 51.209, 135.475



21, 8.182, 194.449



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 22.179, 191.287



39, 26.766, 191.105



17, 25.993, 273.949



16, 1.928, 195.892



83, 48.106, 190.749

Inverse Universe

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



14, 40.203, 30.590



20, 50.772, 34.805



20, 34.285, 57.926



15, 2.020, 16.781



48, 95.886, 38.866

Previews

White Background



This preview shows how the CIELCh color 30, 22.394, 191.306 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



This preview shows how the CIELCh color 30, 22.394, 191.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

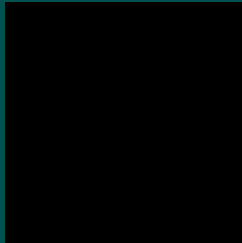
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 22.394, 191.306

Background



This preview shows how black text looks on a background with the CIELCh color 30, 22.394, 191.306.



This preview shows how white text looks on a background with the CIELCh color 30, 22.394, 191.306.

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

30, 22.212, 191.254

Protanopia

30, 0.441, 18.878


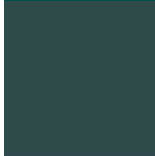


Deuteranopia

30, 6.782, 309.577



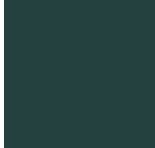


Tritanopia
30, 18.893, 208.737

Trichromacy

	Original Color 30, 22.212, 191.254
	Protanomaly 29, 11.116, 194.388
	Deuteranomaly 29, 10.399, 216.163
	Tritanomaly 30, 19.839, 202.283

Monochromacy

	Original Color 30, 22.212, 191.254
	Achromatopsia 24, 0.004, 296.813
	Achromatomaly 25, 11.507, 194.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 22.394, 191.306 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(0, 80, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 77)  
}
```

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(0, 80, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 22.394, 191.306 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(0, 80, 77) }
```

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

```
.border{ border-color:rgb(0, 80, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 80, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 77); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 80, 77); box-shadow:4px  
4px 4px 4px rgb(0, 80, 77) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 22.394, 191.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 80, 77) }
```

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

```
.background{ background-color: rgb(0, 80,  
77) }
```

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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