

Converting Colors

CIELCh(30, 13.388, 177.721)

Have a look what the booklet for
CIELCh(30, 13.388, 177.721)
contains.

CIELCh(30, 13.388, 177.721)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(30, 13.388, 177.721)

Conversions

Conversions Part 1

Format	Color
Hex	2D4C45
RGB	45, 76, 69
RGB Percent	18%, 30%, 27%
CMY	0.8218, 0.7002, 0.7276
CMYK	0.41, 0.00, 0.09, 0.70
HSL	166°, 25%, 24%
HSV	166°, 41%, 30%
XYZ	4.8065, 6.2359, 6.6540
YIQ	65.9330, -16.2290, -8.7490

Conversions

Conversions Part 2

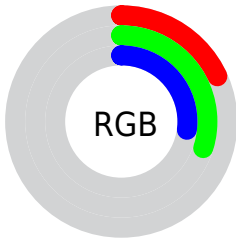
Format	Color
RYB	45, 62, 76
Decimal	2968645
CIELab	30.00, -13.38, 0.53
CIELCh	30, 13.388, 177.721
Yxy	6.2359, 0.2716, 0.3524
Android (android.graphics.Color)	4281158725 (0xFF2D4C45)
YUV	65.9330, 1.5120, -18.3582
Hunter-Lab	24.9718, -9.3435, 1.6818

Details

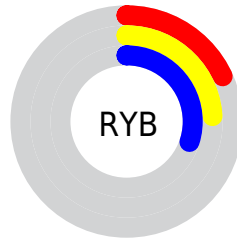
The CIELCh color **30, 13.388, 177.721** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 15.435, 5.655**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 13.553, 177.681**, and **10, 13.416, 176.886** is the 20% darker color. If you saturate the color by 10%, you get **30, 16.247, 176.683**, and if you desaturate by 10%, it is **31, 10.307, 178.687**.

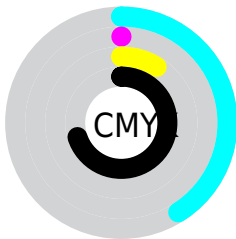
Distribution



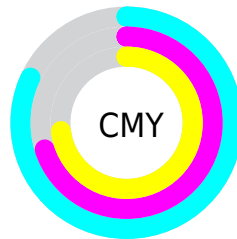
- Red (18%)
- Green (30%)
- Blue (27%)



- Red (18%)
- Yellow (24%)
- Blue (30%)



- Cyan (41%)
- Magenta (0%)
- Yellow (9%)
- Black (70%)





- Cyan (82%)
- Magenta (70%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 13.388, 177.721 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, 13.388, 177.721 by changing the saturation by 10% instead.


 30, 13.388,
177.721


 30, 13.388,
177.721

 100, 13.388,
177.721


 20, 13.388,
177.721


 50, 13.388,
177.721


 10, 13.388,
177.721

 60, 13.388,
177.721

 0, 13.388, 177.721

 70, 13.388,
177.721

 80, 13.388,
177.721

 90, 13.388,
177.721

■ 30, 13.388,
177.721

■ 30, 13.388,
177.721

■ 30, 16.247,
176.683

■ 31, 10.307,
178.687

■ 29, 18.837,
175.563

■ 31, 7.050, 179.602

■ 32, 3.665, 180.490

■ 29, 21.118,
174.341

■ 32, 0.194, 182.539

■ 29, 23.062,
173.001

■ 33, 3.329, 1.941

■ 28, 24.684,
171.548

■ 34, 6.870, 2.730

■ 35, 10.408, 3.465

■ 28, 26.188,
170.288

■ 36, 13.922, 4.171

■ 37, 17.397, 4.851

Harmonies

Complementary

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



30, 13.388, 177.721



23, 15.435, 5.655

Rectangle

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



30, 13.388, 177.721



30, 13.388, 227.721



30, 13.388, 357.721



30, 13.388, 47.721

Sweetspot

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



30, 13.388, 177.719



41, 5.168, 180.322



30, 22.375, 135.881



21, 3.454, 180.273



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 13.388, 177.719



39, 19.559, 176.655



27, 10.065, 230.759



15, 1.942, 180.663



38, 32.291, 169.467



82, 59.599, 167.988

Inverse Universe

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



23, 15.435, 5.655



28, 23.441, 7.338



25, 12.812, 46.004



14, 1.998, 1.932



20, 45.492, 23.942



48, 84.971, 28.282

Previews

White Background



This preview shows how the CIE LCh color 30, 13.388, 177.721 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, 13.388, 177.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

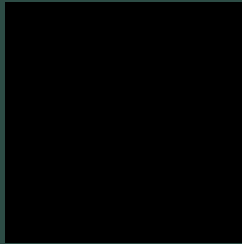
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 13.388, 177.721

Background



This preview shows how black text looks on a background with the CIELCh color 30, 13.388, 177.721.



This preview shows how white text looks on a background with the CIELCh color 30, 13.388, 177.721.

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, 13.388, 177.721

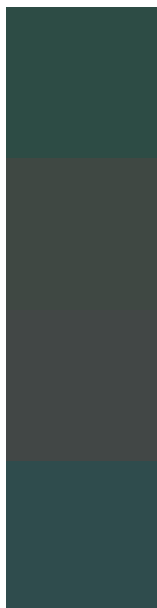
Protanopia
30, 2.883, 81.605

Deuteranopia
30, 4.452, 354.639



Tritanopia
30, 10.825, 218.970

Trichromacy



Original Color
30, 13.388, 177.721

Protanomaly
30, 5.119, 159.913

Deuteranomaly
30, 2.279, 182.803

Tritanomaly
30, 11.257, 201.054

Monochromacy



Original Color
30, 13.388, 177.721

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 5.173, 176.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 13.388, 177.721 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(45, 76, 69)` looks like.

```
.text, #text, p{  
    color:rgb(45, 76, 69)  
}
```

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(45, 76, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 76, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 13.388, 177.721 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(45, 76, 69) }
```

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

```
.border{ border-color:rgb(45, 76, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 76, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 76, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 76, 69);  
box-shadow:4px 4px 4px 4px rgb(45, 76, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 13.388, 177.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 76, 69) }
```

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

```
.background{ background-color: rgb(45, 76,  
69) }
```

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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