

Converting Colors

CIELCh(30, 20.403, 133.038)

Have a look what the booklet for
CIELCh(30, 20.403, 133.038)
contains.

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Color

CIELCh(30, 20.270, 132.677)

Conversions

Conversions Part 1

Format	Color
Hex	394C2F
RGB	57, 76, 47
RGB Percent	22%, 30%, 18%
CMY	0.7766, 0.7021, 0.8159
CMYK	0.25, 0.00, 0.38, 0.70
HSL	99°, 24%, 24%
HSV	99°, 38%, 30%
XYZ	4.7782, 6.2359, 3.6366
YIQ	67.0130, -2.0150, -13.0470

Conversions

Conversions Part 2

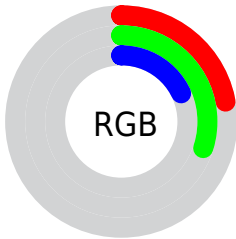
Format	Color
RYB	47, 76, 66
Decimal	3755055
CIELab	30.00, -13.74, 14.90
CIELCh	30, 20.270, 132.677
Yxy	6.2359, 0.3261, 0.4256
Android (android.graphics.Color)	4281945135 (0xFF394C2F)
YUV	67.0130, -9.8664, -8.7814
Hunter-Lab	24.9718, -9.5454, 8.8460

Details

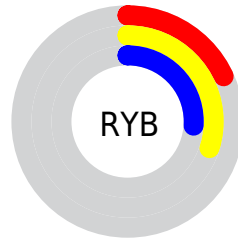
The CIELCh color **30, 20.270, 132.677** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **23, 20.901, 315.782**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 20.376, 132.211**, and **10, 20.253, 132.791** is the 20% darker color. If you saturate the color by 10%, you get **30, 25.432, 132.205**, and if you desaturate by 10%, it is **31, 14.995, 133.146**.

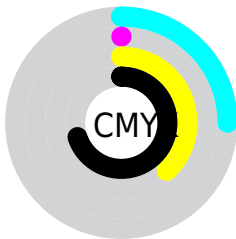
Distribution



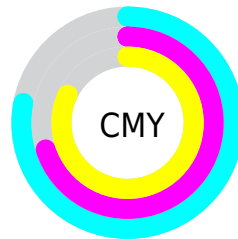
- Red (22%)
- Green (30%)
- Blue (18%)



- Red (18%)
- Yellow (30%)
- Blue (26%)



- Cyan (25%)
- Magenta (0%)
- Yellow (38%)
- Black (70%)




- Cyan (78%)
- Magenta (70%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 20.270, 132.677 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, 20.270, 132.677 by changing the saturation by 10% instead.


 30, 20.270,
132.677


 30, 20.270,
132.677

 100, 20.270,
132.677


 20, 20.270,
132.677


 50, 20.270,
132.677


 10, 20.270,
132.677

 60, 20.270,
132.677

 0, 20.270, 132.677

 70, 20.270,
132.677

 80, 20.270,
132.677

 90, 20.270,
132.677

■ 30, 20.270,
132.677

■ 30, 20.270,
132.677

■ 30, 25.432,
132.205

■ 31, 14.995,
133.146

■ 29, 30.391,
131.757

■ 31, 9.667, 133.591

■ 32, 4.335, 134.011

■ 29, 35.031,
131.383

■ 32, 0.968, 314.278

■ 28, 39.198,
131.153

■ 33, 6.214, 314.686

■ 28, 42.719,
131.151

■ 34, 11.388,
314.991

■ 28, 46.107,
130.945

■ 35, 16.475,
315.258

■ 28, 46.737,
130.871

■ 36, 21.467,
315.493

■ 36, 26.359,

Harmonies

Complementary

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



30, 20.270, 132.677



23, 20.901, 315.782

Rectangle

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



30, 20.270, 132.677



30, 20.270, 182.677



30, 20.270, 312.677



30, 20.270, 2.677

Sweetspot

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



30, 20.271, 132.678



41, 7.298, 133.877



28, 13.138, 85.288



21, 4.946, 133.849



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, 20.271, 132.678



39, 30.362, 132.225



29, 20.331, 146.205



15, 2.976, 133.991



38, 57.709, 131.456



81, 105.654, 132.454

Inverse Universe

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



23, 20.901, 315.782



28, 31.547, 316.148



24, 20.366, 330.946



14, 3.001, 314.603



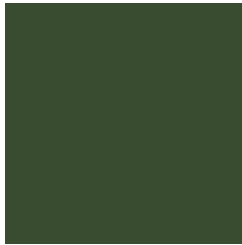
16, 61.407, 316.553



42, 111.637, 315.846

Previews

White Background



This preview shows how the CIELCh color 30, 20.270, 132.677 looks on a white background.

Color Contrast Check

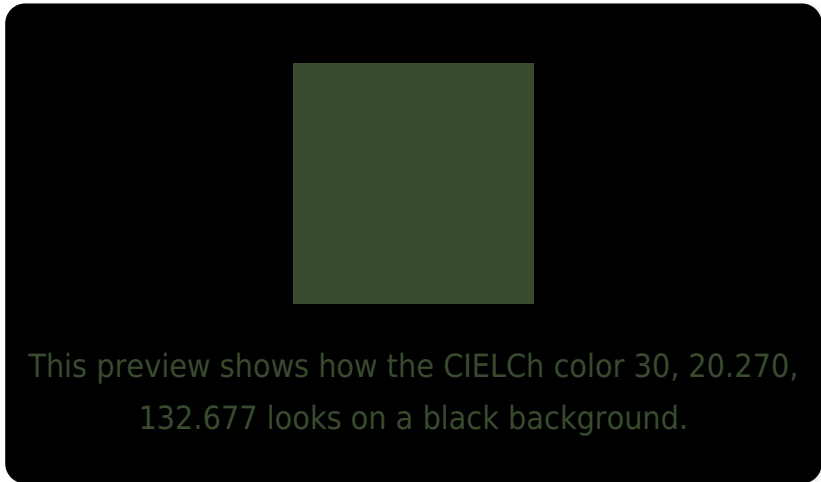
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 20.270, 132.677

Background



This preview shows how black text looks on a background with the CIELCh color 30, 20.270, 132.677.

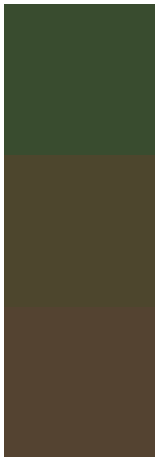


This preview shows how white text looks on a background with the CIELCh color 30, 20.270, 132.677.

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, 20.270, 132.677

Protanopia

30, 16.211, 94.760

Deuteranopia

30, 14.388, 72.126



Tritanopia
30, 5.547, 243.007

Trichromacy



Original Color
30, 20.270, 132.677

Protanomaly
30, 16.396, 110.471

Deuteranomaly
30, 14.092, 99.512

Tritanomaly
30, 6.882, 164.394

Monochromacy



Original Color
30, 20.270, 132.677

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 7.182, 135.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 20.270, 132.677 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(57, 76, 47)` looks like.

```
.text, #text, p{  
    color:rgb(57, 76, 47)  
}
```

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(57, 76, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 76, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 20.270, 132.677 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(57, 76, 47) }
```

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

```
.border{ border-color:rgb(57, 76, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 76, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 76, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 76, 47);  
box-shadow:4px 4px 4px 4px rgb(57, 76, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 20.270, 132.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 76, 47) }
```

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

```
.background{ background-color: rgb(57, 76,  
47) }
```

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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