

Converting Colors

CIELCh(34, 27.296, 146.960)

Have a look what the booklet for
CIELCh(34, 27.296, 146.960)
contains.

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Color

CIELCh(34, 27.146, 147.313)

Conversions

Conversions Part 1

Format	Color
Hex	2F5938
RGB	47, 89, 56
RGB Percent	18%, 35%, 22%
CMY	0.8162, 0.6515, 0.7809
CMYK	0.47, 0.00, 0.37, 0.65
HSL	133°, 31%, 27%
HSV	133°, 47%, 35%
XYZ	5.4384, 8.0082, 4.9847
YIQ	72.6800, -14.4390, -19.1670

Conversions

Conversions Part 2

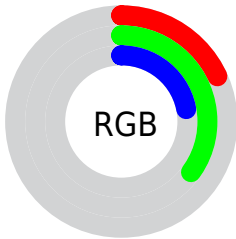
Format	Color
R_{YB}	47, 82, 89
Decimal	3103032
CIE _{Lab}	34.00, -22.85, 14.66
CIE _{LCh}	34, 27.146, 147.313
Yxy	8.0082, 0.2951, 0.4345
Android (android.graphics.Color)	4281293112 (0xFF2F5938)
YUV	72.6800, -8.2232, -22.5214
Hunter-Lab	28.2988, -15.2191, 9.3655

Details

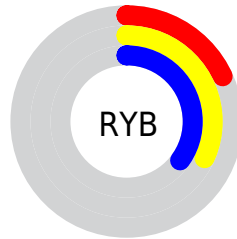
The CIELCh color $34, 27.146, 147.313$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $26, 27.212, 333.964$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 26.909, 147.032$, and $14, 27.181, 146.971$ is the 20% darker color. If you saturate the color by 10%, you get $33, 32.477, 146.174$, and if you desaturate by 10%, it is $35, 21.560, 148.315$.

Distribution



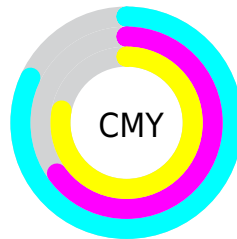
- Red (18%)
- Green (35%)
- Blue (22%)



- Red (18%)
- Yellow (32%)
- Blue (35%)



- Cyan (47%)
- Magenta (0%)
- Yellow (37%)
- Black (65%)





- Cyan (82%)
- Magenta (65%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 27.146, 147.313 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 34, 27.146, 147.313 by changing the saturation by 10% instead.


 34, 27.146,
147.313


 34, 27.146,
147.313

 100, 27.146,
147.313


 24, 27.146,
147.313

 54, 27.146,
147.313


 14, 27.146,
147.313

 64, 27.146,
147.313

 4, 27.146, 147.313

 74, 27.146,
147.313

 0, 27.146, 147.313

 84, 27.146,
147.313

 94, 27.146,
147.313

■ 34, 27.146,
147.313

■ 34, 27.146,
147.313

■ 33, 32.477,
146.174

■ 35, 21.560,
148.315

■ 33, 37.446,
144.894

■ 35, 15.816,
149.192

■ 33, 41.945,
143.480

■ 36, 10.000,
149.960

■ 32, 45.873,
141.962

■ 37, 4.185, 150.650

■ 32, 49.284,
140.574

■ 38, 1.575, 331.080

■ 32, 50.158,
140.275

■ 39, 7.237, 331.679

■ 40, 12.772,
332.142

■ 41, 18.161,
332.548

■ 43, 23.392,
332.909

Harmonies

Complementary

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



34, 27.146, 147.313



26, 27.212, 333.964

Rectangle

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



34, 27.146, 147.313



34, 27.146, 197.313



34, 27.146, 327.313



34, 27.146, 17.313

Sweetspot

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



34, 27.147, 147.313



47, 10.004, 150.160



36, 25.545, 115.052



24, 6.965, 150.059



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 27.147, 147.313



43, 39.815, 145.985



34, 18.323, 171.396



17, 3.164, 150.550



39, 57.775, 139.809



82, 105.631, 138.617

Inverse Universe

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



26, 27.212, 333.964



31, 39.627, 334.764



25, 20.881, 1.428



16, 3.174, 331.510



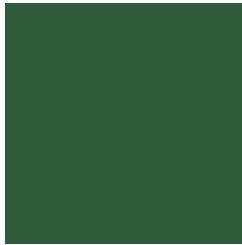
23, 52.110, 338.403



53, 91.707, 339.256

Previews

White Background



This preview shows how the CIELCh color 34, 27.146, 147.313 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 34, 27.146, 147.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

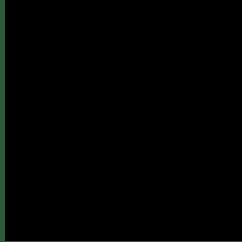
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 27.146, 147.313

Background



This preview shows how black text looks on a background with the CIELCh color 34, 27.146, 147.313.



This preview shows how white text looks on a background with the CIELCh color 34, 27.146, 147.313.

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


34, 27.146, 147.313

Protanopia

34, 17.663, 96.053

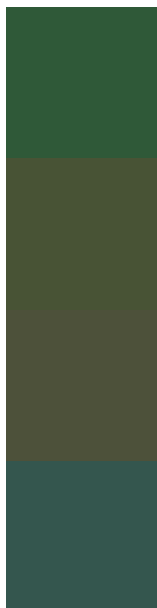
Deuteranopia

34, 13.829, 69.637



Tritanopia
34, 11.692, 216.910

Trichromacy



Original Color
34, 27.146, 147.313

Protanomaly
34, 19.191, 122.542

Deuteranomaly
33, 14.390, 115.137

Tritanomaly
34, 14.489, 177.040

Monochromacy



Original Color
34, 27.146, 147.313

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 10.376, 151.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 27.146, 147.313 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(47, 89, 56)` looks like.

```
.text, #text, p{  
    color:rgb(47, 89, 56)  
}
```

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(47, 89, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 89, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 27.146, 147.313 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(47, 89, 56) }
```

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

```
.border{ border-color:rgb(47, 89, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 89, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 89, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 89, 56);  
box-shadow:4px 4px 4px 4px rgb(47, 89, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 27.146, 147.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 89, 56) }
```

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

```
.background{ background-color: rgb(47, 89,  
56) }
```

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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