

Converting Colors

CIELCh(34, 17.653, 276.234)

Have a look what the booklet for
CIELCh(34, 17.653, 276.234)
contains.

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Color

CIELCh(34, 18.052, 277.124)

Conversions

Conversions Part 1

Format	Color
Hex	42506C
RGB	66, 80, 108
RGB Percent	26%, 31%, 42%
CMY	0.7406, 0.6857, 0.5759
CMYK	0.39, 0.26, 0.00, 0.58
HSL	220°, 24%, 34%
HSV	220°, 39%, 42%
XYZ	7.8512, 8.0082, 15.3627
YIQ	79.0060, -17.3320, 5.7400

Conversions

Conversions Part 2

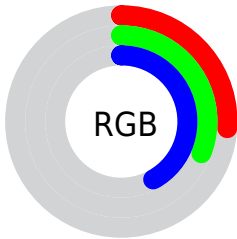
Format	Color
R_{YB}	66, 77, 108
Decimal	4345964
CIE _{Lab}	34.00, 2.24, -17.91
CIE _{LCh}	34, 18.052, 277.124
Yxy	8.0082, 0.2515, 0.2565
Android (android.graphics.Color)	4282536044 (0xFF42506C)
YUV	79.0060, 14.2940, -11.4063
Hunter-Lab	28.2988, 0.0003, -12.3778

Details

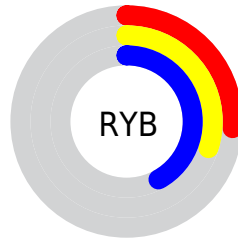
The CIELCh color $34, 18.052, 277.124$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $41, 18.181, 86.370$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 18.371, 276.985$, and $14, 17.653, 276.234$ is the 20% darker color. If you saturate the color by 10%, you get $31, 22.884, 279.300$, and if you desaturate by 10%, it is $37, 13.301, 275.245$.

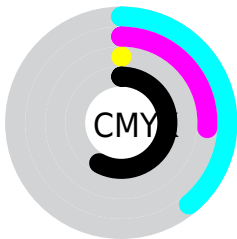
Distribution



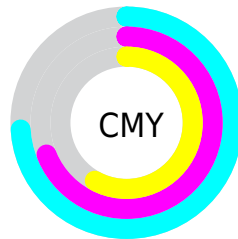
- Red (26%)
- Green (31%)
- Blue (42%)



- Red (26%)
- Yellow (30%)
- Blue (42%)



- Cyan (39%)
- Magenta (26%)
- Yellow (0%)
- Black (58%)




- Cyan (74%)
- Magenta (69%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 18.052, 277.124 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, 18.052, 277.124 by changing the saturation by 10% instead.


 34, 18.052,
277.124


 34, 18.052,
277.124

 100, 18.052,
277.124


 24, 18.052,
277.124

 54, 18.052,
277.124

 14, 18.052,
277.124

 64, 18.052,
277.124

 4, 18.052, 277.124

 74, 18.052,
277.124

 0, 18.052, 277.124

 84, 18.052,
277.124

 94, 18.052,
277.124

■ 34, 18.052,
277.124

■ 34, 18.052,
277.124

■ 31, 22.884,
279.300

■ 37, 13.301,
275.245

■ 28, 27.814,
281.803

■ 40, 8.625, 273.630

■ 25, 32.861,
284.644

■ 43, 4.019, 272.250

■ 46, 0.518, 90.702

■ 23, 38.041,
287.793

■ 49, 4.987, 89.913

■ 20, 43.350,
291.168

■ 52, 9.386, 89.003

■ 55, 13.715, 88.195

■ 18, 48.761,
294.399

■ 58, 17.973, 87.477

■ 17, 49.396,
294.735

■ 61, 22.160, 86.836

Harmonies

Complementary

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



34, 18.052, 277.124



41, 18.181, 86.370

Rectangle

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



34, 18.052, 277.124



34, 18.052, 327.124



34, 18.052, 97.124



34, 18.052, 147.124

Sweetspot

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



34, 18.051, 277.123



54, 6.769, 272.705



42, 18.460, 169.952



27, 4.528, 272.826



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



34, 18.051, 277.123



41, 27.244, 279.167



30, 27.032, 300.126



21, 2.535, 272.265



19, 52.838, 295.089



42, 96.617, 297.248

Inverse Universe

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



33, 20.322, 357.922



40, 30.535, 359.409



44, 24.774, 114.054



21, 2.801, 354.424



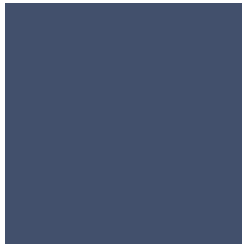
24, 48.259, 15.597



52, 84.198, 19.146

Previews

White Background



This preview shows how the CIE LCh color 34, 18.052, 277.124 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, 18.052, 277.124 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

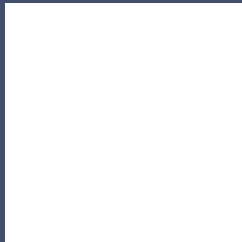
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 18.052, 277.124

Background



This preview shows how black text looks on a background with the CIELCh color 34, 18.052, 277.124.

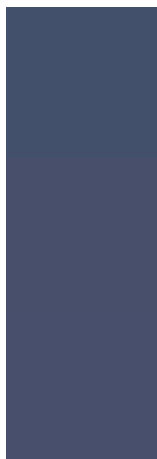


This preview shows how white text looks on a background with the CIELCh color 34, 18.052, 277.124.

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

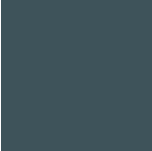
34, 18.052, 277.124

Protanopia

34, 17.663, 284.794

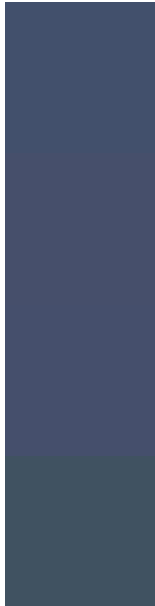
Deuteranopia

34, 18.320, 284.129



Tritanopia
34, 9.098, 227.491

Trichromacy



Original Color
34, 18.052, 277.124

Protanomaly
34, 17.757, 282.540

Deuteranomaly
34, 18.420, 281.991

Tritanomaly
34, 11.361, 255.207

Monochromacy



Original Color
34, 18.052, 277.124

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 7.155, 275.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 18.052, 277.124 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(66, 80, 108)` looks like.

```
.text, #text, p{  
    color:rgb(66, 80, 108)  
}
```

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(66, 80, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 80, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 18.052, 277.124 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(66, 80, 108) }
```

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

```
.border{ border-color:rgb(66, 80, 108) }
```

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

Here you see how a box with a 4 pixel rgb(66, 80, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 80, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 80, 108);  
box-shadow:4px 4px 4px 4px rgb(66, 80,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 18.052, 277.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 80, 108) }
```

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

```
.background{ background-color: rgb(66, 80,  
108) }
```

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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