

Converting Colors

CIELCh(34, 46.187, 293.915)

Have a look what the booklet for
CIELCh(34, 46.187, 293.915)
contains.

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Color

CIELCh(34, 46.218, 294.070)

Conversions

Conversions Part 1

Format	Color
Hex	3F4993
RGB	63, 73, 147
RGB Percent	25%, 29%, 58%
CMY	0.7511, 0.7122, 0.4218
CMYK	0.57, 0.50, 0.00, 0.42
HSL	233°, 40%, 41%
HSV	233°, 57%, 58%
XYZ	9.7886, 8.0082, 28.8156
YIQ	78.4460, -29.7140, 20.8940

Conversions

Conversions Part 2

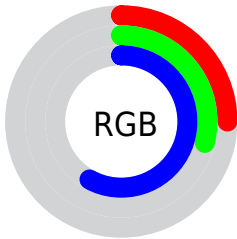
Format	Color
RYB	63, 72, 147
Decimal	4147603
CIELab	34.00, 18.85, -42.20
CIElCh	34, 46.218, 294.070
Yxy	8.0082, 0.2100, 0.1718
Android (android.graphics.Color)	4282337683 (0xFF3F4993)
YUV	78.4460, 33.7971, -13.5461
Hunter-Lab	28.2988, 12.2204, -40.5636

Details

The CIELCh color $34, 46.218, 294.070$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $57, 40.859, 98.876$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 46.690, 294.135$, and $14, 46.216, 295.369$ is the 20% darker color. If you saturate the color by 10%, you get $30, 55.315, 296.506$, and if you desaturate by 10%, it is $39, 37.388, 291.877$.

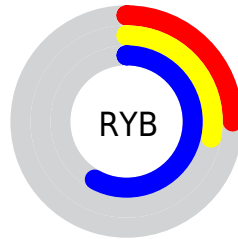
Distribution



Red (25%)

Green (29%)

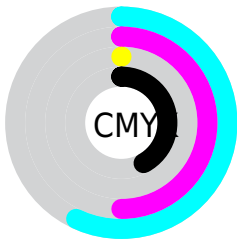
Blue (58%)



Red (25%)

Yellow (28%)

Blue (58%)

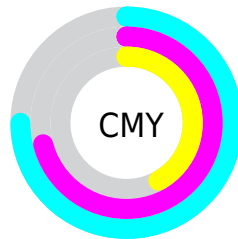


Cyan (57%)

Magenta (50%)

Yellow (0%)

Black (42%)



Cyan (75%)


Magenta (71%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 46.218, 294.070 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, 46.218, 294.070 by changing the saturation by 10% instead.


 34, 46.218,
294.070

 34, 46.218,
294.070

 100, 46.218,
294.070


 24, 46.218,
294.070

 54, 46.218,
294.070


 14, 46.218,
294.070


 64, 46.218,
294.070

 4, 46.218, 294.070

 74, 46.218,
294.070

 0, 46.218, 294.070

 84, 46.218,
294.070

 94, 46.218,
294.070

■ 34, 46.218,
294.070

■ 34, 46.218,
294.070

■ 30, 55.315,
296.506

■ 39, 37.388,
291.877

■ 25, 64.490,
299.082

■ 43, 28.879,
289.955

■ 22, 73.275,
301.606

■ 48, 20.686,
288.298

■ 19, 80.844,
303.774

■ 53, 12.788,
286.878

■ 18, 82.789,
304.274

■ 58, 5.162, 285.671

■ 63, 2.213, 104.567

■ 67, 9.354, 103.699

■ 72, 16.276,
102.924

■ 77, 22.992,
102.249

Harmonies

Complementary

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



34, 46.218, 294.070



57, 40.859, 98.876

Rectangle

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



34, 46.218, 294.070



34, 46.218, 344.070



34, 46.218, 114.070



34, 46.218, 164.070

Sweetspot

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



34, 46.218, 294.071



67, 15.863, 286.929



56, 28.225, 183.538



34, 10.727, 287.168



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



34, 46.218, 294.071



38, 69.729, 297.124



34, 52.874, 307.980



29, 4.218, 285.924



17, 78.436, 304.152



0, 3.639, 284.911

Inverse Universe

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



38, 38.144, 17.754



46, 56.680, 21.362



57, 47.244, 121.514



29, 3.378, 10.376



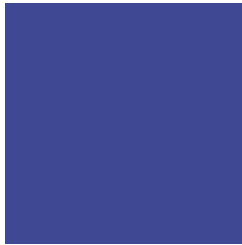
28, 61.199, 33.648



1, 2.876, 9.680

Previews

White Background



This preview shows how the CIELCh color 34, 46.218, 294.070 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 CIE LCh color 34, 46.218, 294.070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

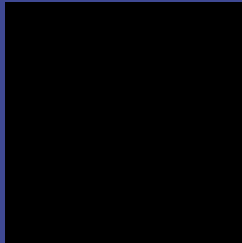
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 46.218, 294.070

Background



This preview shows how black text looks on a background with the CIELCh color 34, 46.218, 294.070.



This preview shows how white text looks on a background with the CIELCh color 34, 46.218, 294.070.

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

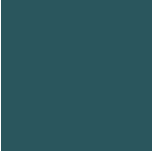
34, 46.218, 294.070

Protanopia

34, 47.089, 286.946

Deuteranopia

34, 40.830, 276.157



Tritanopia
34, 15.652, 213.959

Trichromacy



Original Color
34, 46.218, 294.070

Protanomaly
34, 46.340, 288.931

Deuteranomaly
33, 42.764, 281.250

Tritanomaly
33, 21.887, 266.630

Monochromacy



Original Color
34, 46.218, 294.070

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 17.019, 288.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 46.218, 294.070 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(63, 73, 147)` looks like.

```
.text, #text, p{  
    color:rgb(63, 73, 147)  
}
```

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(63, 73, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 73, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 46.218, 294.070 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(63, 73, 147) }
```

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

```
.border{ border-color:rgb(63, 73, 147) }
```

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

Here you see how a box with a 4 pixel rgb(63, 73, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 73, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 73, 147);  
box-shadow:4px 4px 4px 4px rgb(63, 73,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 46.218, 294.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 73, 147) }
```

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

```
.background{ background-color: rgb(63, 73,  
147) }
```

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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