

Converting Colors

CIELCh(34, 21.962, 257.874)

Have a look what the booklet for
CIELCh(34, 21.962, 257.874)
contains.

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Color

CIELCh(34, 22.049, 257.746)

Conversions

Conversions Part 1

Format	Color
Hex	2A5472
RGB	42, 84, 114
RGB Percent	16%, 33%, 45%
CMY	0.8362, 0.6713, 0.5538
CMYK	0.63, 0.26, 0.00, 0.55
HSL	205°, 46%, 31%
HSV	205°, 63%, 45%
XYZ	7.1264, 8.0082, 17.0280
YIQ	74.8620, -34.6620, 0.4260

Conversions

Conversions Part 2

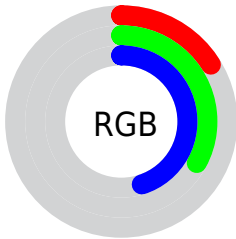
Format	Color
R_{YB}	42, 69, 114
Decimal	2774130
CIE Lab	34.00, -4.68, -21.55
CIE LCh	34, 22.049, 257.746
Yxy	8.0082, 0.2216, 0.2490
Android (android.graphics.Color)	4280964210 (0xFF2A5472)
YUV	74.8620, 19.2950, -28.8200
Hunter-Lab	28.2988, -4.5717, -15.8670




Details

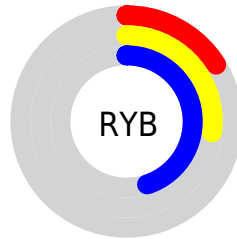
The CIELCh color **34, 22.049, 257.746** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **35, 29.156, 59.752**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **54, 22.114, 258.739**, and **15, 20.760, 266.912** is the 20% darker color. If you saturate the color by 10%, you get **32, 24.969, 261.134**, and if you desaturate by 10%, it is **36, 18.967, 254.871**.

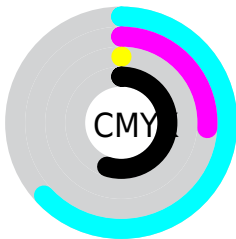
Distribution







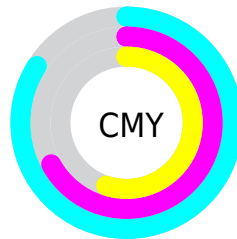
-  Red (16%)
-  Green (33%)
-  Blue (45%)






-  Red (16%)
-  Yellow (27%)
-  Blue (45%)



-  Cyan (63%)
-  Magenta (26%)
-  Yellow (0%)
-  Black (55%)




-  Cyan (84%)
-  Magenta (67%)
-  Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 22.049, 257.746 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, 22.049, 257.746 by changing the saturation by 10% instead.


 34, 22.049,
257.746

 34, 22.049,
257.746

 100, 22.049,
257.746


 24, 22.049,
257.746

 54, 22.049,
257.746

 14, 22.049,
257.746

 64, 22.049,
257.746

 4, 22.049, 257.746

 74, 22.049,
257.746

 0, 22.049, 257.746

 84, 22.049,
257.746

 94, 22.049,
257.746

■ 34, 22.049,
257.746

■ 34, 22.049,
257.746

■ 32, 24.969,
261.134

■ 36, 18.967,
254.871

■ 30, 27.765,
265.046

■ 38, 15.713,
252.461

■ 28, 30.503,
269.408

■ 40, 12.296,
250.455

■ 27, 32.411,
272.187

■ 43, 8.733, 248.792

■ 45, 5.048, 247.424

■ 47, 1.264, 246.429

■ 50, 2.594, 65.115

■ 52, 6.507, 64.355

■ 54, 10.456, 63.669

Harmonies

Complementary

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



34, 22.049, 257.746



35, 29.156, 59.752

Rectangle

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



34, 22.049, 257.746



34, 22.049, 307.746



34, 22.049, 77.746



34, 22.049, 127.746

Sweetspot

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



34, 22.048, 257.746



56, 8.879, 248.240



43, 37.436, 152.148



28, 6.054, 248.559



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



34, 22.048, 257.746



41, 31.769, 262.904



23, 42.826, 295.960



22, 2.123, 246.924



29, 33.785, 272.495



59, 60.450, 275.529

Inverse Universe

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



29, 37.818, 345.499



35, 52.872, 347.867



44, 36.943, 99.434



22, 3.419, 340.015



25, 49.979, 352.989



54, 84.557, 354.992

Previews

White Background



This preview shows how the CIE LCh color 34, 22.049, 257.746 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, 22.049, 257.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

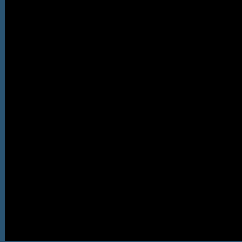
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

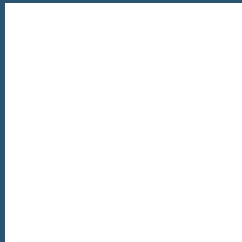
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 22.049, 257.746

Background



This preview shows how black text looks on a background with the CIELCh color 34, 22.049, 257.746.

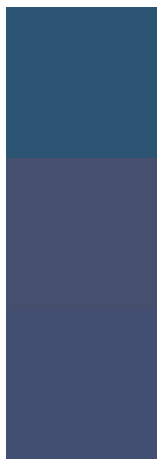


This preview shows how white text looks on a background with the CIELCh color 34, 22.049, 257.746.

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, 22.049, 257.746

Protanopia

34, 19.589, 283.997

Deuteranopia

34, 22.820, 282.741



Tritanopia
34, 18.121, 211.361

Trichromacy



Original Color
34, 22.049, 257.746

Protanomaly
34, 19.789, 272.123

Deuteranomaly
34, 22.321, 273.080

Tritanomaly
34, 18.018, 229.446

Monochromacy



Original Color
34, 22.049, 257.746

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 8.922, 250.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 22.049, 257.746 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(42, 84, 114)` looks like.

```
.text, #text, p{  
    color:rgb(42, 84, 114)  
}
```

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(42, 84, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 84, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 22.049, 257.746 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(42, 84, 114) }
```

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

```
.border{ border-color:rgb(42, 84, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 84, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 84, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 84, 114);  
box-shadow:4px 4px 4px 4px rgb(42, 84,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 22.049, 257.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 84, 114) }
```

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

```
.background{ background-color: rgb(42, 84,  
114) }
```

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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