

Converting Colors

CIELCh(34, 20.748, 254.998)

Have a look what the booklet for
CIELCh(34, 20.748, 254.998)
contains.

CIELCh(34, 20.575, 254.436)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 20.575, 254.436)

Conversions

Conversions Part 1

Format	Color
Hex	2B546F
RGB	43, 84, 111
RGB Percent	17%, 33%, 44%
CMY	0.8312, 0.6705, 0.5646
CMYK	0.61, 0.24, 0.00, 0.56
HSL	204°, 44%, 30%
HSV	204°, 61%, 44%
XYZ	7.0415, 8.0082, 16.2228
YIQ	74.8190, -33.1030, -0.2950

Conversions

Conversions Part 2

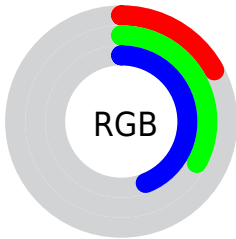
Format	Color
R_{YB}	43, 69, 111
Decimal	2839663
CIE _{Lab}	34.00, -5.52, -19.82
CIE _{LCh}	34, 20.575, 254.436
Yxy	8.0082, 0.2252, 0.2561
Android (android.graphics.Color)	4281029743 (0xFF2B546F)
YUV	74.8190, 17.8372, -27.9053
Hunter-Lab	28.2988, -5.1073, -14.1798




Details

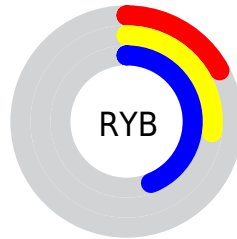
The CIELCh color **34, 20.575, 254.436** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **34, 27.539, 58.074**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **54, 20.789, 255.588**, and **14, 19.116, 262.395** is the 20% darker color. If you saturate the color by 10%, you get **32, 23.325, 257.661**, and if you desaturate by 10%, it is **36, 17.637, 251.722**.

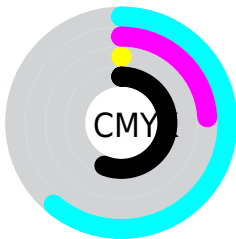
Distribution







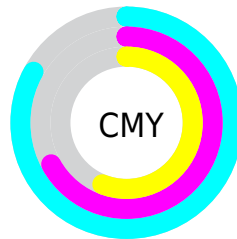
-  Red (17%)
-  Green (33%)
-  Blue (44%)






-  Red (17%)
-  Yellow (27%)
-  Blue (44%)



-  Cyan (61%)
-  Magenta (24%)
-  Yellow (0%)
-  Black (56%)




-  Cyan (83%)
-  Magenta (67%)
-  Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 20.575, 254.436 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, 20.575, 254.436 by changing the saturation by 10% instead.


 34, 20.575,
254.436

 34, 20.575,
254.436

 100, 20.575,
254.436


 24, 20.575,
254.436

 54, 20.575,
254.436

 14, 20.575,
254.436

 64, 20.575,
254.436

 4, 20.575, 254.436

 74, 20.575,
254.436

 0, 20.575, 254.436

 84, 20.575,
254.436

 94, 20.575,
254.436

■ 34, 20.575,
254.436

■ 34, 20.575,
254.436

■ 32, 23.325,
257.661

■ 36, 17.637,
251.722

■ 30, 25.914,
261.428

■ 38, 14.509,
249.464

■ 29, 28.398,
265.711

■ 40, 11.204,
247.596

■ 27, 30.633,
269.391

■ 42, 7.745, 246.056

■ 44, 4.157, 244.802

■ 47, 0.466, 244.284

■ 49, 3.303, 62.678

■ 51, 7.131, 61.972

■ 53, 10.997, 61.348

Harmonies

Complementary

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



34, 20.575, 254.436



34, 27.539, 58.074

Rectangle

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



34, 20.575, 254.436



34, 20.575, 304.436



34, 20.575, 74.436



34, 20.575, 124.436

Sweetspot

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



34, 20.574, 254.436



55, 8.220, 245.683



42, 36.170, 151.757



28, 5.737, 245.999



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, 20.574, 254.436



42, 29.517, 259.010



24, 39.643, 294.743



22, 2.105, 244.563



29, 32.551, 269.856



60, 58.081, 272.940

Inverse Universe

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



29, 36.500, 344.088



35, 51.439, 346.075



43, 34.707, 98.692



22, 3.465, 339.094



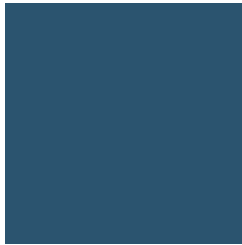
25, 50.410, 351.405



54, 85.237, 353.270

Previews

White Background



This preview shows how the CIE LCh color 34, 20.575, 254.436 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, 20.575, 254.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

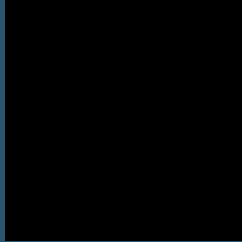
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

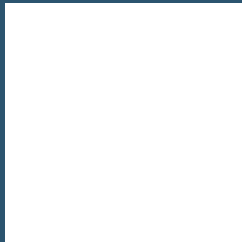
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 20.575, 254.436

Background



This preview shows how black text looks on a background with the CIELCh color 34, 20.575, 254.436.



This preview shows how white text looks on a background with the CIELCh color 34, 20.575, 254.436.

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

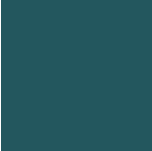
34, 20.575, 254.436

Protanopia

34, 17.663, 284.794

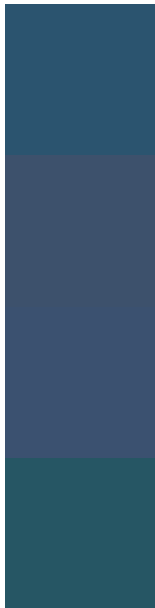
Deuteranopia

34, 20.902, 283.029



Tritanopia
34, 17.508, 211.940

Trichromacy



Original Color
34, 20.575, 254.436

Protanomaly
34, 18.001, 270.249

Deuteranomaly
34, 20.448, 272.156

Tritanomaly
34, 17.442, 228.188

Monochromacy



Original Color
34, 20.575, 254.436

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 8.479, 247.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 20.575, 254.436 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(43, 84, 111)` looks like.

```
.text, #text, p{  
    color:rgb(43, 84, 111)  
}
```

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(43, 84, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 84, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 20.575, 254.436 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(43, 84, 111) }
```

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

```
.border{ border-color:rgb(43, 84, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 84, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 84, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 84, 111);  
box-shadow:4px 4px 4px 4px rgb(43, 84,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 20.575, 254.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 84, 111) }
```

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

```
.background{ background-color: rgb(43, 84,  
111) }
```

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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