

Converting Colors

CIELCh(34, 20.275, 259.403)

Have a look what the booklet for
CIELCh(34, 20.275, 259.403)
contains.

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Color

CIELCh(34, 20.275, 259.403)

Conversions

Conversions Part 1

Format	Color
Hex	30536F
RGB	48, 83, 111
RGB Percent	19%, 33%, 44%
CMY	0.8108, 0.6736, 0.5638
CMYK	0.57, 0.25, 0.00, 0.56
HSL	207°, 39%, 31%
HSV	207°, 57%, 44%
XYZ	7.2233, 8.0082, 16.2727
YIQ	75.7270, -29.8480, 1.2880

Conversions

Conversions Part 2

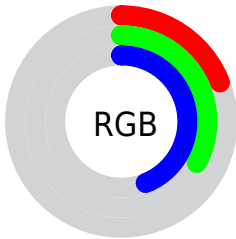
Format	Color
R_{YB}	48, 71, 111
Decimal	3167087
CIE _{Lab}	34.00, -3.73, -19.93
CIE _{LCh}	34, 20.275, 259.403
Yxy	8.0082, 0.2293, 0.2542
Android (android.graphics.Color)	4281357167 (0xFF30536F)
YUV	75.7270, 17.3896, -24.3166
Hunter-Lab	28.2988, -3.9605, -14.2844




Details

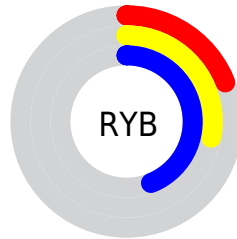
The CIELCh color **34, 20.275, 259.403** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **36, 25.161, 63.198**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **54, 20.499, 260.204**, and **14, 19.614, 264.715** is the 20% darker color. If you saturate the color by 10%, you get **32, 23.454, 262.466**, and if you desaturate by 10%, it is **36, 16.963, 256.806**.

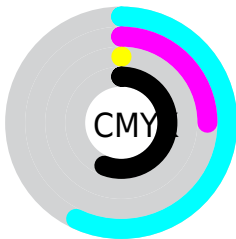
Distribution







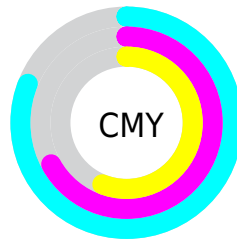
-  Red (19%)
-  Green (33%)
-  Blue (44%)






-  Red (19%)
-  Yellow (28%)
-  Blue (44%)



-  Cyan (57%)
-  Magenta (25%)
-  Yellow (0%)
-  Black (56%)





-  Cyan (81%)
-  Magenta (67%)
-  Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 20.275, 259.403 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, 20.275, 259.403 by changing the saturation by 10% instead.


 34, 20.275,
259.403

 34, 20.275,
259.403

 100, 20.275,
259.403


 24, 20.275,
259.403

 54, 20.275,
259.403


 14, 20.275,
259.403


 64, 20.275,
259.403

 4, 20.275, 259.403

 74, 20.275,
259.403

 0, 20.275, 259.403

 84, 20.275,
259.403

 94, 20.275,
259.403

■ 34, 20.275,
259.403

■ 34, 20.275,
259.403

■ 32, 23.454,
262.466

■ 36, 16.963,
256.806

■ 30, 26.525,
266.024

■ 38, 13.520,
254.624

■ 28, 29.529,
270.061

■ 41, 9.954, 252.799

■ 26, 32.561,
274.328

■ 43, 6.284, 251.278

■ 45, 2.529, 250.049

■ 25, 33.625,
275.647

■ 48, 1.290, 68.644

■ 50, 5.155, 67.871

■ 53, 9.049, 67.100

■ 55, 12.960, 66.425

Harmonies

Complementary

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



34, 20.275, 259.403



36, 25.161, 63.198

Rectangle

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



34, 20.275, 259.403



34, 20.275, 309.403



34, 20.275, 79.403



34, 20.275, 129.403

Sweetspot

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



34, 20.274, 259.403



55, 7.993, 251.394



42, 32.399, 154.613



28, 5.380, 251.603



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, 20.274, 259.403



41, 29.645, 263.553



25, 38.638, 295.785



22, 2.156, 250.309



28, 35.713, 276.083



57, 64.125, 279.030

Inverse Universe

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



30, 33.281, 346.224



36, 47.820, 348.221



44, 33.772, 101.887



22, 3.352, 341.413



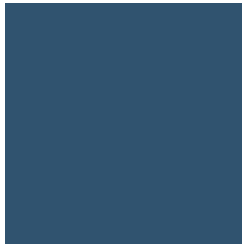
25, 49.429, 355.381



54, 83.726, 357.591

Previews

White Background



This preview shows how the CIELCh color 34, 20.275, 259.403 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, 20.275, 259.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

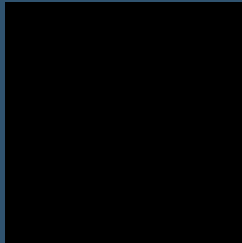
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

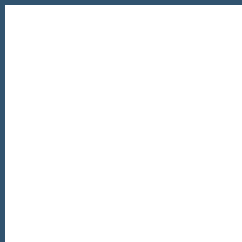
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 20.275, 259.403

Background



This preview shows how black text looks on a background with the CIELCh color 34, 20.275, 259.403.

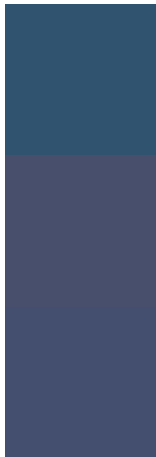


This preview shows how white text looks on a background with the CIELCh color 34, 20.275, 259.403.

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, 20.275, 259.403

Protanopia

34, 18.320, 284.129

Deuteranopia

34, 20.902, 283.029



Tritanopia
34, 15.897, 213.671

Trichromacy



Original Color
34, 20.275, 259.403

Protanomaly
34, 18.366, 273.081

Deuteranomaly
34, 20.266, 273.790

Tritanomaly
34, 16.252, 233.644

Monochromacy



Original Color
34, 20.275, 259.403

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 7.993, 251.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 20.275, 259.403 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(48, 83, 111)` looks like.

```
.text, #text, p{  
    color:rgb(48, 83, 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(48, 83, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 83, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 20.275, 259.403 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(48, 83, 111) }
```

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

```
.border{ border-color:rgb(48, 83, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 83, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 83, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 83, 111);  
box-shadow:4px 4px 4px 4px rgb(48, 83,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 20.275, 259.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 83, 111) }
```

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

```
.background{ background-color: rgb(48, 83,  
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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