

Converting Colors

CIELCh(34, 65.828, 305.513)

Have a look what the booklet for
CIELCh(34, 65.828, 305.513)
contains.

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Color

CIELCh(34, 65.625, 305.429)

Conversions

Conversions Part 1

Format	Color
Hex	563CA6
RGB	86, 60, 166
RGB Percent	34%, 24%, 65%
CMY	0.6617, 0.7638, 0.3480
CMYK	0.48, 0.64, 0.00, 0.35
HSL	255°, 47%, 44%
HSV	255°, 64%, 65%
XYZ	12.3956, 8.0082, 37.0917
YIQ	79.8580, -18.5300, 38.4780

Conversions

Conversions Part 2

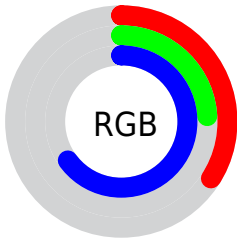
Format	Color
R_{YB}	86, 60, 166
Decimal	5651622
CIE _{Lab}	34.00, 38.04, -53.47
CIE _{LCh}	34, 65.625, 305.429
Yxy	8.0082, 0.2156, 0.1393
Android (android.graphics.Color)	4283841702 (0xFF563CA6)
YUV	79.8580, 42.4680, 5.3865
Hunter-Lab	28.2988, 28.6649, -57.9032

Details

The CIELCh color $34, 65.625, 305.429$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $64, 55.957, 116.142$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 65.560, 305.468$, and $14, 65.634, 305.447$ is the 20% darker color. If you saturate the color by 10%, you get $29, 75.956, 306.444$, and if you desaturate by 10%, it is $39, 54.814, 304.347$.

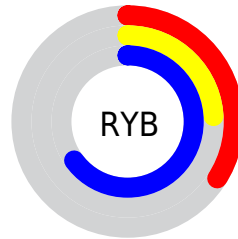
Distribution



Red (34%)

Green (24%)

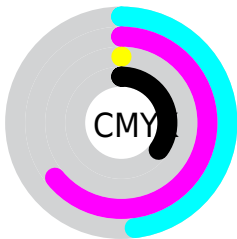
Blue (65%)



Red (34%)

Yellow (24%)

Blue (65%)

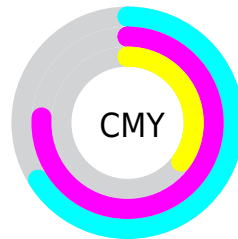


Cyan (48%)

Magenta (64%)

Yellow (0%)

Black (35%)



Cyan (66%)


Magenta (76%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 65.625, 305.429 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, 65.625, 305.429 by changing the saturation by 10% instead.


 34, 65.625,
305.429


 34, 65.625,
305.429

 100, 65.625,
305.429

 24, 65.625,
305.429

 54, 65.625,
305.429

 14, 65.625,
305.429

 64, 65.625,
305.429

 4, 65.625, 305.429

 74, 65.625,
305.429

 0, 65.625, 305.429

 84, 65.625,
305.429

 94, 65.625,
305.429

■ 34, 65.625,
305.429

■ 34, 65.625,
305.429

■ 29, 75.956,
306.444

■ 39, 54.814,
304.347

■ 25, 85.014,
307.235

■ 44, 43.987,
303.292

■ 22, 91.719,
307.608

■ 50, 33.374,
302.314

■ 21, 95.011,
307.751

■ 55, 23.077,
301.433

■ 61, 13.132,
300.654

■ 66, 3.542, 299.969

■ 72, 5.705, 119.389

■ 77, 14.625,
118.875

■ 82, 23.237,
118.432

Harmonies

Complementary

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



34, 65.625, 305.429



64, 55.957, 116.142

Rectangle

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



34, 65.625, 305.429



34, 65.625, 355.429



34, 65.625, 125.429



34, 65.625, 175.429

Sweetspot

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



34, 65.625, 305.430



74, 22.698, 301.076



55, 26.489, 230.404



37, 15.826, 301.296



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



34, 65.625, 305.430



37, 97.938, 306.851



40, 65.850, 319.188



33, 5.404, 300.337



18, 87.096, 307.829



1, 9.678, 298.430

Inverse Universe

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



43, 57.170, 336.848



52, 79.401, 338.268



61, 63.657, 133.456



33, 5.417, 332.734



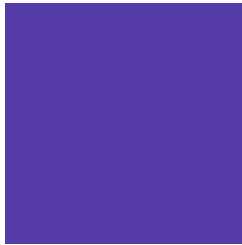
33, 63.979, 340.784



2, 9.343, 334.873

Previews

White Background



This preview shows how the CIELCh color 34, 65.625, 305.429 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, 65.625, 305.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

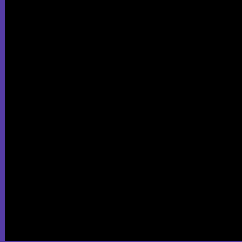
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 65.625, 305.429

Background



This preview shows how black text looks on a background with the CIELCh color 34, 65.625, 305.429.



This preview shows how white text looks on a background with the CIELCh color 34, 65.625, 305.429.

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, 65.625, 305.429

Protanopia

34, 54.630, 286.500

Deuteranopia

34, 39.182, 274.203



Tritanopia
34, 8.175, 231.247

Trichromacy



Original Color
34, 65.625, 305.429

Protanomaly
33, 58.832, 291.895

Deuteranomaly
33, 48.619, 287.143

Tritanomaly
33, 27.038, 293.208

Monochromacy



Original Color
34, 65.625, 305.429

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 24.247, 301.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 65.625, 305.429 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(86, 60, 166)` looks like.

```
.text, #text, p{  
    color:rgb(86, 60, 166)  
}
```

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(86, 60, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 60, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 65.625, 305.429 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(86, 60, 166) }
```

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

```
.border{ border-color:rgb(86, 60, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 60, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 60, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 60, 166);  
box-shadow:4px 4px 4px 4px rgb(86, 60,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 65.625, 305.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 60, 166) }
```

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

```
.background{ background-color: rgb(86, 60,  
166) }
```

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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