

Converting Colors

CIELCh(34, 23.732, 302.014)

Have a look what the booklet for
CIELCh(34, 23.732, 302.014)
contains.

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Color

CIELCh(34, 23.536, 302.055)

Conversions

Conversions Part 1

Format	Color
Hex	544B70
RGB	84, 75, 112
RGB Percent	33%, 29%, 44%
CMY	0.6721, 0.7074, 0.5624
CMYK	0.25, 0.33, 0.00, 0.56
HSL	255°, 20%, 37%
HSV	255°, 33%, 44%
XYZ	9.0133, 8.0082, 16.2812
YIQ	81.9090, -6.5130, 13.4150

Conversions

Conversions Part 2

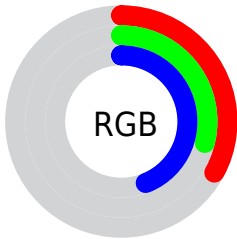
Format	Color
R_{YB}	84, 75, 112
Decimal	5524336
CIE _{Lab}	34.00, 12.49, -19.95
CIE _{LCh}	34, 23.536, 302.055
Yxy	8.0082, 0.2706, 0.2405
Android (android.graphics.Color)	4283714416 (0xFF544B70)
YUV	81.9090, 14.8349, 1.8338
Hunter-Lab	28.2988, 7.3299, -14.3022




Details

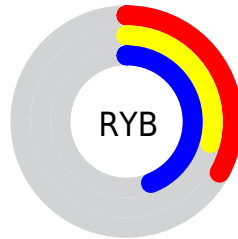
The CIELCh color $34, 23.536, 302.055$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $45, 21.992, 117.646$, and the grayscale version is $35, 0.005, 296.813$.




A 20% lighter version of the original color is $54, 23.443, 301.634$, and $14, 23.628, 302.509$ is the 20% darker color. If you saturate the color by 10%, you get $30, 31.150, 302.985$, and if you desaturate by 10%, it is $38, 16.148, 301.218$.

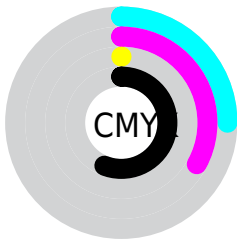
Distribution







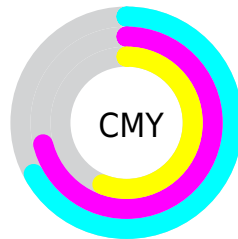
-  Red (33%)
-  Green (29%)
-  Blue (44%)






-  Red (33%)
-  Yellow (29%)
-  Blue (44%)



-  Cyan (25%)
-  Magenta (33%)
-  Yellow (0%)
-  Black (56%)





-  Cyan (67%)
-  Magenta (71%)
-  Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 23.536, 302.055 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, 23.536, 302.055 by changing the saturation by 10% instead.


 34, 23.536,
302.055


 34, 23.536,
302.055

 100, 23.536,
302.055


 24, 23.536,
302.055

 54, 23.536,
302.055


 14, 23.536,
302.055


 64, 23.536,
302.055

 4, 23.536, 302.055

 74, 23.536,
302.055

 0, 23.536, 302.055

 84, 23.536,
302.055

 94, 23.536,
302.055

■ 34, 23.536,
302.055

■ 34, 23.536,
302.055

■ 30, 31.150,
302.985

■ 38, 16.148,
301.218

■ 26, 38.938,
303.993

■ 42, 9.008, 300.477

■ 46, 2.115, 299.820

■ 23, 46.771,
305.044

■ 50, 4.541, 119.265

■ 19, 54.392,
306.065

■ 54, 10.969,
118.770

■ 16, 61.342,
306.934

■ 58, 17.184,
118.341

■ 14, 67.008,
307.506

■ 61, 23.197,
117.970

■ 12, 70.887,
308.034

■ 65, 29.021,
117.649

■ 69, 34.668,
117.371

Harmonies

Complementary

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



34, 23.536, 302.055



45, 21.992, 117.646

Rectangle

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



34, 23.536, 302.055



34, 23.536, 352.055



34, 23.536, 122.055



34, 23.536, 172.055

Sweetspot

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



34, 23.535, 302.055



55, 8.479, 300.281



42, 11.504, 225.484



28, 5.841, 300.355



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, 23.535, 302.055



41, 35.761, 302.785



36, 25.282, 318.127



21, 3.848, 300.197



13, 74.658, 307.968



33, 128.300, 307.524

Inverse Universe

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



37, 22.824, 334.202



45, 34.050, 334.765



44, 24.776, 135.226



22, 3.868, 332.594



26, 55.234, 340.304



56, 93.443, 341.186

Previews

White Background



This preview shows how the CIE LCh color 34, 23.536, 302.055 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, 23.536, 302.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

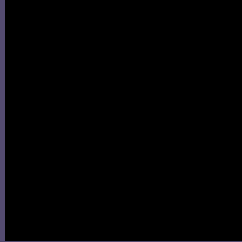
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 23.536, 302.055

Background



This preview shows how black text looks on a background with the CIELCh color 34, 23.536, 302.055.

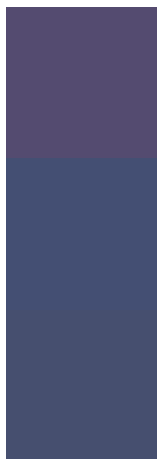


This preview shows how white text looks on a background with the CIELCh color 34, 23.536, 302.055.

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

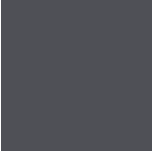
34, 23.536, 302.055

Protanopia

34, 22.726, 284.344

Deuteranopia

34, 20.200, 284.434



Tritanopia
34, 3.779, 284.488

Trichromacy



Original Color
34, 23.536, 302.055

Protanomaly
34, 23.220, 291.416

Deuteranomaly
34, 21.349, 291.801

Tritanomaly
34, 10.771, 298.393

Monochromacy



Original Color
34, 23.536, 302.055

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 8.955, 302.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 23.536, 302.055 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(84, 75, 112)` looks like.

```
.text, #text, p{  
    color:rgb(84, 75, 112)  
}
```

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(84, 75, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 75, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 23.536, 302.055 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(84, 75, 112) }
```

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

```
.border{ border-color:rgb(84, 75, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 75, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 75, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 75, 112);  
box-shadow:4px 4px 4px 4px rgb(84, 75,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 23.536, 302.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 75, 112) }
```

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

```
.background{ background-color: rgb(84, 75,  
112) }
```

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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