

Converting Colors

CIELCh(35, 6.685, 256.221)

Have a look what the booklet for
CIELCh(35, 6.685, 256.221) contains.

CIELCh(35, 6.305, 251.599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(35, 6.305, 251.599)

Conversions

Conversions Part 1

Format	Color
Hex	4A545C
RGB	74, 84, 92
RGB Percent	29%, 33%, 36%
CMY	0.7111, 0.6719, 0.6405
CMYK	0.20, 0.09, 0.00, 0.64
HSL	207°, 11%, 32%
HSV	207°, 20%, 36%
XYZ	7.8600, 8.4984, 11.2734
YIQ	81.9220, -8.5280, 0.3680

Conversions

Conversions Part 2

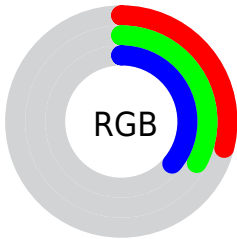
Format	Color
R_{YB}	74, 80, 92
Decimal	4871260
CIE Lab	35.00, -1.99, -5.98
CIE LCh	35, 6.305, 251.599
Yxy	8.4984, 0.2845, 0.3076
Android (android.graphics.Color)	4283061340 (0xFF4A545C)
YUV	81.9220, 4.9685, -6.9476
Hunter-Lab	29.1520, -2.8883, -2.5218

Details

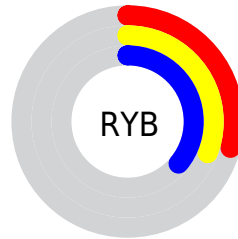
The CIELCh color **35, 6.305, 251.599** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 6.722, 67.077**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 6.322, 254.260**, and **15, 6.169, 252.499** is the 20% darker color. If you saturate the color by 10%, you get **33, 9.412, 253.144**, and if you desaturate by 10%, it is **37, 3.122, 250.309**.

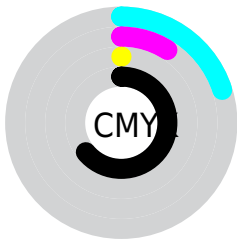
Distribution



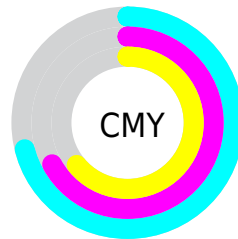
- Red (29%)
- Green (33%)
- Blue (36%)



- Red (29%)
- Yellow (31%)
- Blue (36%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (64%)



- Cyan (71%)
- Magenta (67%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 6.305, 251.599 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 35, 6.305, 251.599 by changing the saturation by 10% instead.

 35, 6.305, 251.599	 35, 6.305, 251.599
 100, 6.305, 251.599	 25, 6.305, 251.599
 55, 6.305, 251.599	 15, 6.305, 251.599
 65, 6.305, 251.599	 5, 6.305, 251.599
 75, 6.305, 251.599	 0, 6.305, 251.599
 85, 6.305, 251.599	
 95, 6.305, 251.599	
 35, 6.305, 251.599	 35, 6.305, 251.599
 33, 9.412, 253.144	 37, 3.122, 250.309

■ 31, 12.429,
254.998

■ 39, 0.119, 67.143

■ 29, 15.341,
257.203

■ 41, 3.402, 68.095

■ 43, 6.714, 67.314

■ 27, 18.142,
259.814

■ 45, 10.044, 66.622

■ 26, 20.835,
262.876

■ 47, 13.381, 66.017

■ 49, 16.717, 65.486

■ 24, 23.440,
266.412

■ 51, 20.045, 65.017

■ 22, 25.995,
270.398

■ 53, 23.359, 64.602

■ 21, 28.639,
274.187

■ 21, 28.741,
274.317

Harmonies

Complementary

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



35, 6.305, 251.599



35, 6.722, 67.077

Rectangle

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



35, 6.305, 251.599



35, 6.305, 301.599



35, 6.305, 71.599



35, 6.305, 121.599

Sweetspot

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



35, 6.305, 251.591



49, 2.435, 249.946



37, 9.904, 158.741



25, 1.628, 249.982



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



35, 6.305, 251.591



44, 9.563, 252.356



32, 10.632, 289.474



18, 1.821, 250.220



25, 33.212, 275.513



55, 61.933, 278.864

Inverse Universe

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



33, 9.994, 342.240



42, 15.291, 342.680



38, 10.259, 105.508



17, 2.830, 341.362



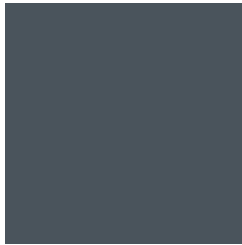
22, 46.472, 354.981



51, 81.137, 357.460

Previews

White Background



This preview shows how the CIE LCh color 35, 6.305, 251.599 looks on a white background.

Color Contrast Check

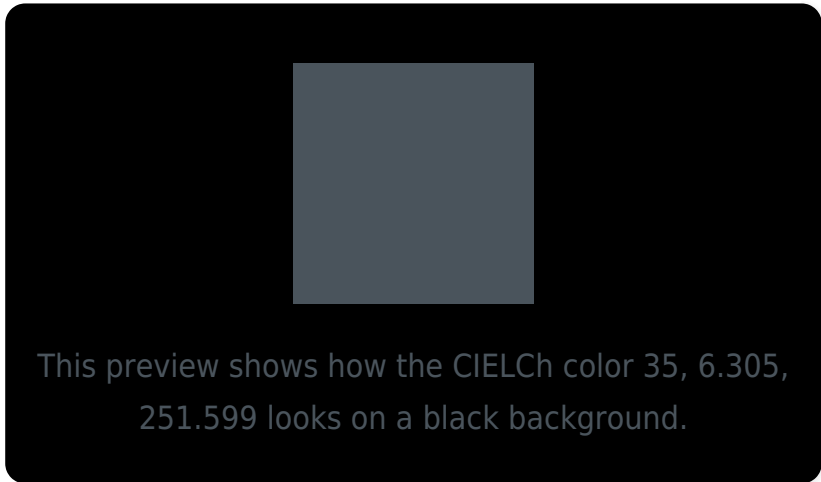
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

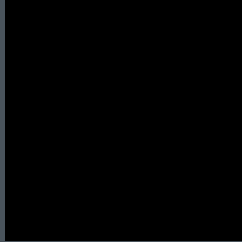
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

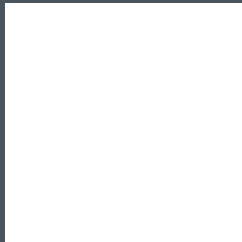
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 6.305, 251.599

Background



This preview shows how black text looks on a background with the CIELCh color 35, 6.305, 251.599.



This preview shows how white text looks on a background with the CIELCh color 35, 6.305, 251.599.

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

35, 6.305, 251.599

Protanopia

35, 5.004, 286.299

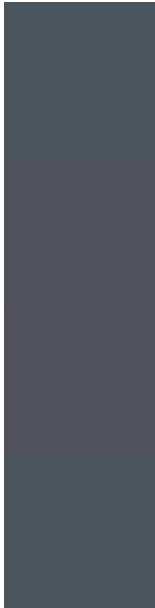
Deuteranopia

35, 7.814, 306.704



Tritanopia
35, 6.116, 244.749

Trichromacy



Original Color

35, 6.305, 251.599

Protanomaly

35, 5.344, 268.642

Deuteranomaly

35, 6.878, 291.337

Tritanomaly

35, 6.116, 244.749

Monochromacy



Original Color

35, 6.305, 251.599

Achromatopsia

35, 0.005, 296.813

Achromatomaly

35, 2.486, 248.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 6.305, 251.599 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(74, 84, 92)` looks like.

```
.text, #text, p{  
    color:rgb(74, 84, 92)  
}
```

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(74, 84, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 84, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 6.305, 251.599 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(74, 84, 92) }
```

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

```
.border{ border-color:rgb(74, 84, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 84, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 84, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 84, 92);  
box-shadow:4px 4px 4px 4px rgb(74, 84, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 6.305, 251.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 84, 92) }
```

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

```
.background{ background-color: rgb(74, 84,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor