

Converting Colors

CIELCh(35, 23.168, 344.837)

Have a look what the booklet for
CIELCh(35, 23.168, 344.837)
contains.

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Color

CIELCh(35, 22.887, 345.195)

Conversions

Conversions Part 1

Format	Color
Hex	70455C
RGB	112, 69, 92
RGB Percent	44%, 27%, 36%
CMY	0.5603, 0.7289, 0.6387
CMYK	0.00, 0.38, 0.18, 0.56
HSL	328°, 24%, 36%
HSV	328°, 38%, 44%
XYZ	10.7704, 8.4984, 11.2251
YIQ	84.4790, 18.2450, 16.2690

Conversions

Conversions Part 2

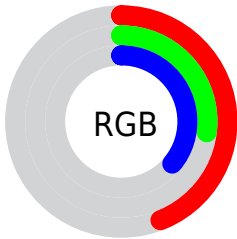
Format	Color
R_{YB}	112, 69, 92
Decimal	7357788
CIE _{Lab}	35.00, 22.13, -5.85
CIE _{LCh}	35, 22.887, 345.195
Y _{xy}	8.4984, 0.3532, 0.2787
Android (android.graphics.Color)	4285547868 (0xFF70455C)
YUV	84.4790, 3.7079, 24.1359
Hunter-Lab	29.1520, 14.9319, -2.4236

Details

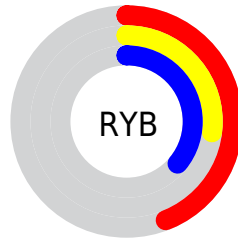
The CIELCh color $[35, 22.887, 345.195]$ is a dark color, and the websafe version is hex `#663366`. A complement of this color would be $[44, 22.073, 158.383]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[55, 22.965, 345.621]$, and $[15, 22.803, 345.761]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 28.656, 346.354]$, and if you desaturate by 10%, it is $[38, 16.907, 344.176]$.

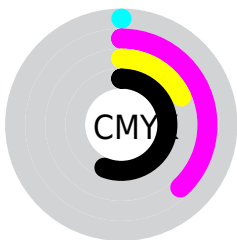
Distribution



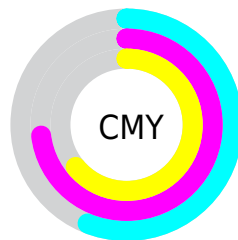
- Red (44%)
- Green (27%)
- Blue (36%)



- Red (44%)
- Yellow (27%)
- Blue (36%)



- Cyan (0%)
- Magenta (38%)
- Yellow (18%)
- Black (56%)





- Cyan (56%)
- Magenta (73%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 22.887, 345.195 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, 22.887, 345.195 by changing the saturation by 10% instead.


 35, 22.887,
345.195


 35, 22.887,
345.195

 100, 22.887,
345.195


 25, 22.887,
345.195

 55, 22.887,
345.195


 15, 22.887,
345.195


 65, 22.887,
345.195

 5, 22.887, 345.195

 75, 22.887,
345.195

 0, 22.887, 345.195

 85, 22.887,
345.195

 95, 22.887,
345.195

■ 35, 22.887,
345.195

■ 35, 22.887,
345.195

■ 32, 28.656,
346.354

■ 38, 16.907,
344.176

■ 30, 34.006,
347.698

■ 41, 10.878,
343.258

■ 27, 38.672,
349.295

■ 44, 4.904, 342.406

■ 25, 42.376,
351.237

■ 48, 0.948, 161.978

■ 51, 6.640, 161.051

■ 24, 44.895,
353.643

■ 55, 12.156,
160.391

■ 23, 46.568,
356.424

■ 58, 17.491,
159.788

■ 23, 46.864,
356.869

■ 62, 22.647,
159.228

■ 65, 27.633,
158.707

Harmonies

Complementary

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



35, 22.887, 345.195



44, 22.073, 158.383

Rectangle

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



35, 22.887, 345.195



35, 22.887, 35.195



35, 22.887, 165.195



35, 22.887, 215.195

Sweetspot

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



35, 22.885, 345.196



55, 8.749, 342.740



33, 28.130, 309.248



28, 5.854, 342.818



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



35, 22.885, 345.196



42, 33.766, 346.212



34, 19.898, 19.001



22, 3.305, 342.461



25, 49.095, 357.161



54, 83.252, 359.519

Inverse Universe

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



35, 22.885, 345.196



42, 33.766, 346.212



44, 15.812, 192.906



22, 3.305, 342.461



25, 49.095, 357.161



54, 83.252, 359.519

Previews

White Background



This preview shows how the CIE LCh color 35, 22.887, 345.195 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 35, 22.887, 345.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

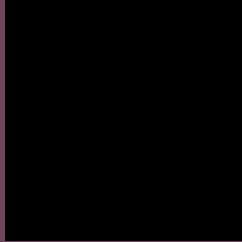
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 22.887, 345.195

Background



This preview shows how black text looks on a background with the CIELCh color 35, 22.887, 345.195.

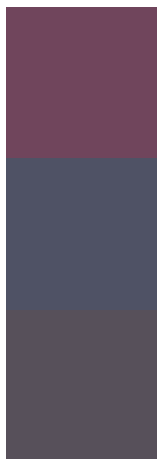


This preview shows how white text looks on a background with the CIELCh color 35, 22.887, 345.195.

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, 22.887, 345.195

Protanopia

35, 11.879, 286.515

Deuteranopia

35, 6.934, 316.148



Tritanopia
35, 17.404, 12.198

Trichromacy



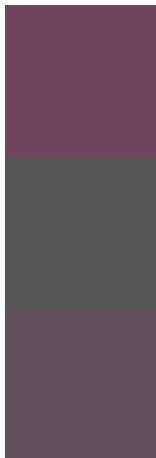
Original Color
35, 22.887, 345.195

Protanomaly
35, 14.370, 315.511

Deuteranomaly
35, 12.616, 333.613

Tritanomaly
35, 18.833, 1.668

Monochromacy



Original Color
35, 22.887, 345.195

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 8.857, 341.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 22.887, 345.195 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(112, 69, 92)` looks like.

```
.text, #text, p{  
    color:rgb(112, 69, 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(112, 69, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 69, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 22.887, 345.195 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(112, 69, 92) }
```

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

```
.border{ border-color:rgb(112, 69, 92) }
```

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

Here you see how a box with a 4 pixel rgb(112, 69, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 69, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 69, 92);  
box-shadow:4px 4px 4px 4px rgb(112, 69,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 22.887, 345.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 69, 92) }
```

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

```
.background{ background-color: rgb(112, 69,  
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](#).

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