

Converting Colors

CIELCh(33, 35.134, 320.057)

Have a look what the booklet for
CIELCh(33, 35.134, 320.057)
contains.

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Color

CIELCh(33, 35.640, 319.732)

Conversions

Conversions Part 1

Format	Color
Hex	663E72
RGB	102, 62, 114
RGB Percent	40%, 24%, 45%
CMY	0.5989, 0.7558, 0.5518
CMYK	0.10, 0.46, 0.00, 0.55
HSL	286°, 29%, 35%
HSV	286°, 46%, 45%
XYZ	10.3028, 7.5373, 16.9172
YIQ	79.8880, 7.1480, 24.6520

Conversions

Conversions Part 2

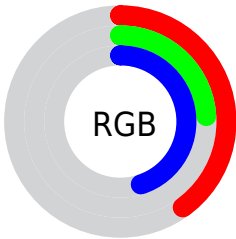
Format	Color
R_{YB}	102, 62, 114
Decimal	6700658
CIE _{Lab}	33.00, 27.19, -23.04
CIE _{LCh}	33, 35.640, 319.732
Yxy	7.5373, 0.2964, 0.2169
Android (android.graphics.Color)	4284890738 (0xFF663E72)
YUV	79.8880, 16.8172, 19.3922
Hunter-Lab	27.4541, 18.9415, -17.3165

Details

The CIELCh color $[33, 35.640, 319.732]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[44, 34.862, 135.532]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 35.374, 319.688]$, and $[13, 35.572, 319.271]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 43.085, 320.058]$, and if you desaturate by 10%, it is $[36, 27.863, 319.350]$.

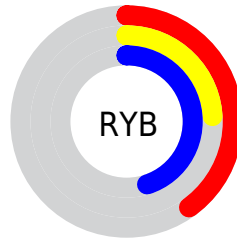
Distribution



Red (40%)

Green (24%)

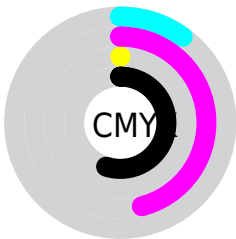
Blue (45%)



Red (40%)

Yellow (24%)

Blue (45%)

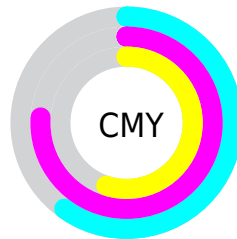


Cyan (10%)

Magenta (46%)

Yellow (0%)

Black (55%)



Cyan (60%)


Magenta (76%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 35.640, 319.732 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 33, 35.640, 319.732 by changing the saturation by 10% instead.


 33, 35.640,
319.732


 33, 35.640,
319.732

 100, 35.640,
319.732


 23, 35.640,
319.732

 53, 35.640,
319.732


 13, 35.640,
319.732


 63, 35.640,
319.732

 3, 35.640, 319.732

 73, 35.640,
319.732

 0, 35.640, 319.732

 83, 35.640,
319.732

 93, 35.640,
319.732

■ 33, 35.640,
319.732

■ 33, 35.640,
319.732

■ 30, 43.085,
320.058

■ 36, 27.863,
319.350

■ 27, 49.937,
320.295

■ 39, 19.957,
318.938

■ 25, 55.870,
320.400

■ 43, 12.056,
318.514

■ 23, 60.546,
320.330

■ 46, 4.250, 318.079

■ 22, 63.879,
320.076

■ 50, 3.406, 137.749

■ 21, 65.342,
319.972

■ 53, 10.879,
137.342

■ 57, 18.155,
136.980

■ 60, 25.227,
136.647

■ 64, 32.098,
136.342

Harmonies

Complementary

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



33, 35.640, 319.732



44, 34.862, 135.532

Rectangle

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



33, 35.640, 319.732



33, 35.640, 9.732



33, 35.640, 139.732



33, 35.640, 189.732

Sweetspot

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



33, 35.639, 319.732



55, 13.425, 318.465



32, 25.368, 285.327



27, 9.221, 318.537



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



33, 35.639, 319.732



39, 52.665, 320.083



34, 31.150, 336.098



22, 4.280, 318.234



22, 67.610, 319.934



49, 115.701, 319.500

Inverse Universe

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



33, 24.372, 6.493



39, 36.595, 8.694



44, 30.935, 149.171



22, 2.774, 1.671



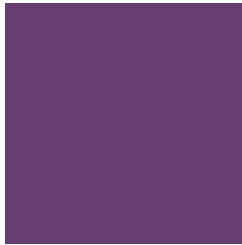
24, 51.268, 24.713



52, 89.837, 28.172

Previews

White Background



This preview shows how the CIELCh color 33, 35.640, 319.732 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 33, 35.640, 319.732 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 33, 35.640, 319.732

Background



This preview shows how black text looks on a background with the CIELCh color 33, 35.640, 319.732.



This preview shows how white text looks on a background with the CIELCh color 33, 35.640, 319.732.

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

33, 35.640, 319.732

Protanopia

33, 31.659, 285.447

Deuteranopia

33, 21.645, 282.756



Tritanopia
33, 12.054, 6.474

Trichromacy



Original Color
33, 35.640, 319.732

Protanomaly
33, 32.246, 297.270

Deuteranomaly
33, 25.455, 300.069

Tritanomaly
33, 18.933, 335.981

Monochromacy



Original Color
33, 35.640, 319.732

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 12.775, 318.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 35.640, 319.732 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(102, 62, 114)` looks like.

```
.text, #text, p{  
    color:rgb(102, 62, 114)  
}
```

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(102, 62, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 62, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 35.640, 319.732 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(102, 62, 114) }
```

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

```
.border{ border-color:rgb(102, 62, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 62, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 62, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 62, 114); box-shadow:4px 4px 4px 4px rgb(102, 62, 114) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 35.640, 319.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 62, 114) }
```

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

```
.background{ background-color: rgb(102, 62,  
114) }
```

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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