

Converting Colors

CIELCh(33, 43.824, 324.349)

Have a look what the booklet for
CIELCh(33, 43.824, 324.349)
contains.

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Color

CIELCh(33, 43.609, 324.669)

Conversions

Conversions Part 1

Format	Color
Hex	713776
RGB	113, 55, 118
RGB Percent	44%, 22%, 46%
CMY	0.5572, 0.7846, 0.5376
CMYK	0.04, 0.53, 0.00, 0.54
HSL	295°, 36%, 34%
HSV	295°, 53%, 46%
XYZ	11.4283, 7.5373, 17.9685
YIQ	79.5240, 14.3450, 31.8890

Conversions

Conversions Part 2

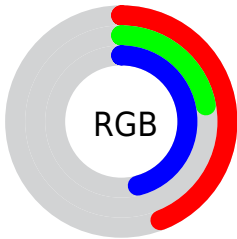
Format	Color
R_{YB}	113, 55, 118
Decimal	7419766
CIE Lab	33.00, 35.58, -25.22
CIE LCh	33, 43.609, 324.669
Yxy	7.5373, 0.3094, 0.2041
Android (android.graphics.Color)	4285609846 (0xFF713776)
YUV	79.5240, 18.9687, 29.3585
Hunter-Lab	27.4541, 26.2592, -19.5870

Details

The CIELCh color $[33, 43.609, 324.669]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[44, 43.496, 138.645]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 43.031, 324.652]$, and $[13, 43.511, 324.940]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 50.521, 324.983]$, and if you desaturate by 10%, it is $[36, 35.960, 324.285]$.

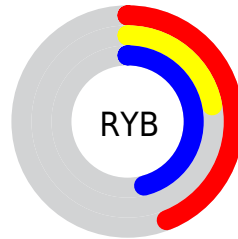
Distribution



Red (44%)

Green (22%)

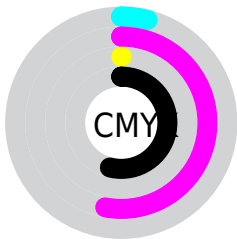
Blue (46%)



Red (44%)

Yellow (22%)

Blue (46%)

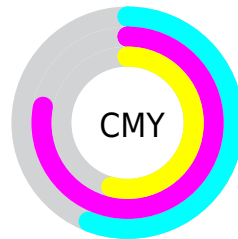


Cyan (4%)

Magenta (53%)

Yellow (0%)

Black (54%)



Cyan (56%)


Magenta (78%)

Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 43.609, 324.669 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, 43.609, 324.669 by changing the saturation by 10% instead.


 33, 43.609,
324.669

 33, 43.609,
324.669

 100, 43.609,
324.669

 23, 43.609,
324.669

 53, 43.609,
324.669

 13, 43.609,
324.669


 63, 43.609,
324.669

 3, 43.609, 324.669

 73, 43.609,
324.669

 0, 43.609, 324.669

 83, 43.609,
324.669

 93, 43.609,
324.669

■ 33, 43.609,
324.669

■ 33, 43.609,
324.669

■ 31, 50.521,
324.983

■ 36, 35.960,
324.285

■ 29, 56.387,
325.203

■ 39, 27.859,
323.853

■ 27, 60.915,
325.309

■ 42, 19.531,
323.390

■ 26, 63.949,
325.288

■ 45, 11.147,
322.911

■ 25, 65.664,
325.255

■ 48, 2.823, 322.394

■ 52, 5.363, 142.017

■ 55, 13.364,
141.549

■ 59, 21.153,
141.115

■ 62, 28.719,
140.707

Harmonies

Complementary

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



33, 43.609, 324.669



44, 43.496, 138.645

Rectangle

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



33, 43.609, 324.669



33, 43.609, 14.669



33, 43.609, 144.669



33, 43.609, 194.669

Sweetspot

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



33, 43.608, 324.669



57, 16.476, 323.055



28, 37.300, 294.508



28, 11.065, 323.130



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



33, 43.608, 324.669



40, 62.670, 325.040



33, 33.662, 344.255



23, 4.642, 322.695



26, 67.441, 325.244



56, 114.379, 325.082

Inverse Universe

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



32, 29.822, 19.550



38, 44.970, 22.602



45, 32.684, 154.240



23, 2.762, 13.434



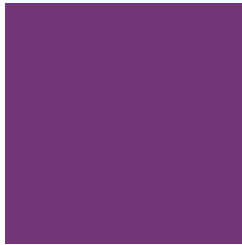
24, 56.883, 34.780



52, 99.722, 37.566

Previews

White Background



This preview shows how the CIELCh color 33, 43.609, 324.669 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 CIELCh color 33, 43.609, 324.669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

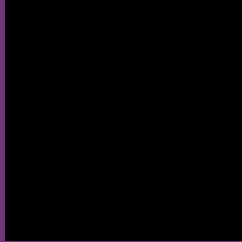
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 43.609, 324.669

Background



This preview shows how black text looks on a background with the CIELCh color 33, 43.609, 324.669.



This preview shows how white text looks on a background with the CIELCh color 33, 43.609, 324.669.

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, 43.609, 324.669

Protanopia

33, 38.509, 286.237

Deuteranopia

33, 22.916, 282.028



Tritanopia
33, 18.524, 13.103

Trichromacy



Original Color
33, 43.609, 324.669

Protanomaly
32, 39.236, 299.294

Deuteranomaly
33, 28.833, 303.372

Tritanomaly
33, 25.016, 343.925

Monochromacy



Original Color
33, 43.609, 324.669

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 16.929, 323.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 43.609, 324.669 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(113, 55, 118)` looks like.

```
.text, #text, p{  
    color:rgb(113, 55, 118)  
}
```

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(113, 55, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 55, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 43.609, 324.669 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(113, 55, 118) }
```

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

```
.border{ border-color:rgb(113, 55, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 55, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 55, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 55, 118); box-shadow:4px 4px 4px 4px rgb(113, 55, 118) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 43.609, 324.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 55, 118) }
```

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

```
.background{ background-color: rgb(113, 55,  
118) }
```

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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