

Converting Colors

CIELCh(33, 47.295, 297.189)

Have a look what the booklet for
CIELCh(33, 47.295, 297.189)
contains.

CIELCh(33, 47.657, 297.361)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 47.657, 297.361)

Conversions

Conversions Part 1

Format	Color
Hex	444591
RGB	68, 69, 145
RGB Percent	27%, 27%, 57%
CMY	0.7331, 0.7293, 0.4312
CMYK	0.53, 0.52, 0.00, 0.43
HSL	239°, 36%, 42%
HSV	239°, 53%, 57%
XYZ	9.6319, 7.5373, 27.7532
YIQ	77.3650, -24.9920, 23.4240

Conversions

Conversions Part 2

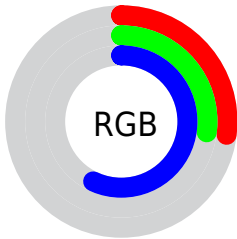
Format	Color
R_{YB}	68, 69, 145
Decimal	4474257
CIE _{Lab}	33.00, 21.90, -42.33
CIE _{LCh}	33, 47.657, 297.361
Yxy	7.5373, 0.2144, 0.1678
Android (android.graphics.Color)	4282664337 (0xFF444591)
YUV	77.3650, 33.3441, -8.2131
Hunter-Lab	27.4541, 14.5794, -40.7181

Details

The CIELCh color **33, 47.657, 297.361** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **58, 41.347, 104.718**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 47.503, 297.503**, and **13, 47.888, 297.430** is the 20% darker color. If you saturate the color by 10%, you get **28, 57.651, 299.489**, and if you desaturate by 10%, it is **38, 37.904, 295.429**.

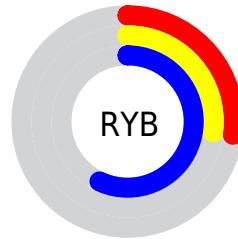
Distribution



Red (27%)

Green (27%)

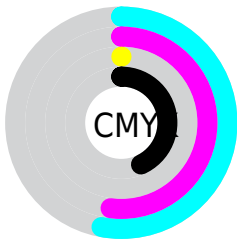
Blue (57%)



Red (27%)

Yellow (27%)

Blue (57%)

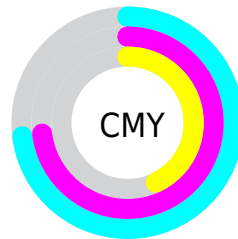


Cyan (53%)

Magenta (52%)

Yellow (0%)

Black (43%)



Cyan (73%)


Magenta (73%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 47.657, 297.361 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, 47.657, 297.361 by changing the saturation by 10% instead.


 33, 47.657,
297.361


 33, 47.657,
297.361

 100, 47.657,
297.361


 23, 47.657,
297.361

 53, 47.657,
297.361


 13, 47.657,
297.361


 63, 47.657,
297.361

 3, 47.657, 297.361

 73, 47.657,
297.361

 0, 47.657, 297.361

 83, 47.657,
297.361

 93, 47.657,
297.361

■ 33, 47.657,
297.361

■ 33, 47.657,
297.361

■ 28, 57.651,
299.489

■ 38, 37.904,
295.429

■ 24, 67.545,
301.688

■ 43, 28.508,
293.733

■ 20, 76.585,
303.727

■ 48, 19.490,
292.273

■ 17, 83.542,
305.291

■ 53, 10.832,
291.027

■ 16, 87.228,
306.080

■ 59, 2.510, 289.981

■ 64, 5.501, 109.044

■ 69, 13.224,
108.275

■ 74, 20.680,
107.612

■ 79, 27.885,
107.040

Harmonies

Complementary

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



33, 47.657, 297.361



58, 41.347, 104.718

Rectangle

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



33, 47.657, 297.361



33, 47.657, 347.361



33, 47.657, 117.361



33, 47.657, 167.361

Sweetspot

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



33, 47.657, 297.362



66, 16.520, 291.410



56, 24.805, 195.377



33, 11.157, 291.632



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



33, 47.657, 297.362



36, 72.729, 299.984



36, 48.790, 311.182



27, 4.581, 290.593



14, 82.805, 306.062



0, 3.045, 289.665

Inverse Universe

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



39, 35.835, 24.567



46, 54.893, 27.611



56, 45.034, 126.101



28, 3.245, 18.846



27, 63.719, 38.293



0, 2.122, 18.334

Previews

White Background



This preview shows how the CIE LCh color 33, 47.657, 297.361 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, 47.657, 297.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

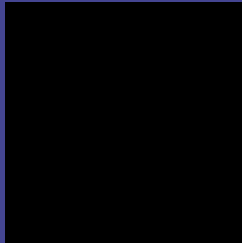
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 47.657, 297.361

Background



This preview shows how black text looks on a background with the CIELCh color 33, 47.657, 297.361.



This preview shows how white text looks on a background with the CIELCh color 33, 47.657, 297.361.

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





Tritanopia
33, 12.986, 217.866

Trichromacy



Original Color
33, 47.657, 297.361

Protanomaly
33, 47.810, 289.563

Deuteranomaly
32, 42.838, 282.603

Tritanomaly
33, 21.120, 273.263

Monochromacy



Original Color
33, 47.657, 297.361

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 17.721, 293.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 47.657, 297.361 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(68, 69, 145)` looks like.

```
.text, #text, p{  
    color:rgb(68, 69, 145)  
}
```

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(68, 69, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 69, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 47.657, 297.361 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(68, 69, 145) }
```

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

```
.border{ border-color:rgb(68, 69, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 69, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 69, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 69, 145);  
box-shadow:4px 4px 4px 4px rgb(68, 69,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 47.657, 297.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 69, 145) }
```

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

```
.background{ background-color: rgb(68, 69,  
145) }
```

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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