

# Converting Colors

CIELCh(44, 36.206, 307.455)

Have a look what the booklet for  
CIELCh(44, 36.206, 307.455)  
contains.

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# Color

**CIELCh(44, 36.355, 307.397)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	745D98
RGB	116, 93, 152
RGB Percent	45%, 36%, 60%
CMY	0.5447, 0.6349, 0.4035
CMYK	0.24, 0.39, 0.00, 0.40
HSL	263°, 24%, 48%
HSV	263°, 39%, 60%
XYZ	16.8173, 13.8382, 31.5391
YIQ	106.6030, -5.2310, 23.2250

# Conversions

## Conversions Part 2

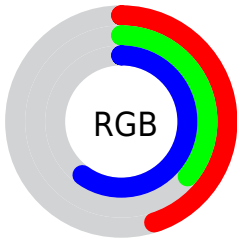
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 93, 152
Decimal	7626136
CIE <sub>Lab</sub>	44.00, 22.08, -28.88
CIE <sub>LCh</sub>	44, 36.355, 307.397
Yxy	13.8382, 0.2704, 0.2225
Android (android.graphics.Color)	4285816216 (0xFF745D98)
YUV	106.6030, 22.3807, 8.2412
Hunter-Lab	37.1997, 15.5971, -24.2280

# Details

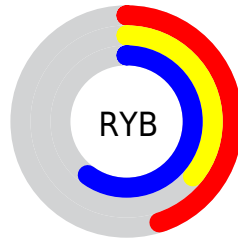
The CIELCh color `44, 36.355, 307.397` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `60, 33.949, 123.193`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 36.314, 307.118`, and `24, 36.213, 307.130` is the 20% darker color. If you saturate the color by 10%, you get `39, 46.231, 308.091`, and if you desaturate by 10%, it is `49, 26.615, 306.734`.

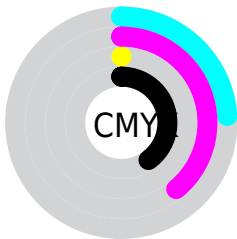
# Distribution



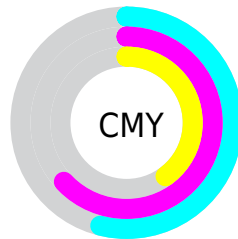
- Red (45%)
- Green (36%)
- Blue (60%)



- Red (45%)
- Yellow (36%)
- Blue (60%)



- Cyan (24%)
- Magenta (39%)
- Yellow (0%)
- Black (40%)




- Cyan (54%)
- Magenta (63%)
- Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 36.355, 307.397 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 44, 36.355, 307.397 by changing the saturation by 10% instead.





 44, 36.355,  
307.397


 44, 36.355,  
307.397


 100, 36.355,  
307.397


 34, 36.355,  
307.397

 64, 36.355,  
307.397


 24, 36.355,  
307.397

 74, 36.355,  
307.397

 14, 36.355,  
307.397

 84, 36.355,  
307.397

 4, 36.355, 307.397

 94, 36.355,  
307.397

 0, 36.355, 307.397

 44, 36.355,

 44, 36.355,

307.397

307.397

39, 46.231,  
308.091

49, 26.615,  
306.734

35, 56.064,  
308.778

54, 17.110,  
306.121

30, 65.524,  
309.396

59, 7.881, 305.562

27, 74.083,  
309.848

63, 1.057, 125.138

68, 9.705, 124.646

24, 81.013,  
310.000

73, 18.071,  
124.261

21, 86.066,  
309.850

78, 26.169,  
123.926

21, 86.682,  
309.848

83, 34.011,  
123.637

88, 41.613,



# Harmonies

# Complementary

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



44, 36.355, 307.397



60, 33.949, 123.193

# Rectangle

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



44, 36.355, 307.397



44, 36.355, 357.397



44, 36.355, 127.397



44, 36.355, 177.397

# Sweetspot

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



44, 36.354, 307.397



73, 13.457, 305.749



52, 17.543, 247.372



37, 8.919, 305.813



90, 0.011, 296.813



42, 0.006, 296.813





# Same Dimension

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



44, 36.354, 307.397



52, 55.369, 308.032



47, 39.377, 323.013



30, 5.094, 305.585



19, 81.624, 309.924



1, 5.426, 304.891



# Inverse Universe

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



47, 31.120, 341.360



57, 46.466, 342.316



58, 39.065, 138.887



30, 4.515, 338.795



30, 56.499, 351.308

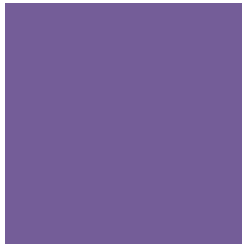


1, 4.803, 338.633



# Previews

## White Background



This preview shows how the CIELCh color 44, 36.355, 307.397 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 × Fail

# Black Background



This preview shows how the CIE LCh color 44, 36.355, 307.397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

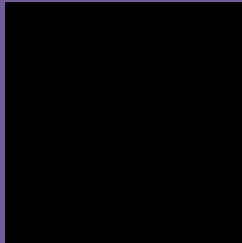
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 44, 36.355, 307.397

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 36.355, 307.397.

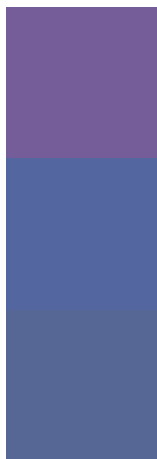


This preview shows how white text looks on a background with the CIELCh color 44, 36.355, 307.397.

# 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

44, 36.355, 307.397


### Protanopia

44, 34.888, 285.876

### Deuteranopia

44, 28.438, 282.964





**Tritanopia**  
44, 5.606, 321.303

# Trichromacy



**Original Color**  
44, 36.355, 307.397

**Protanomaly**  
44, 34.740, 293.320

**Deuteranomaly**  
44, 31.192, 293.251

**Tritanomaly**  
44, 16.464, 309.999

# Monochromacy



**Original Color**  
44, 36.355, 307.397

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
45, 13.004, 305.688

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 36.355, 307.397 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(116, 93, 152)` looks like.

```
.text, #text, p{  
    color:rgb(116, 93, 152)  
}
```

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(116, 93, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 93, 152) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 36.355, 307.397 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(116, 93, 152) }
```

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

```
.border{ border-color:rgb(116, 93, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 93, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 93, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 93, 152);  
box-shadow:4px 4px 4px 4px rgb(116, 93,  
152) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 36.355, 307.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 93, 152) }
```

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

```
.background{ background-color: rgb(116, 93,  
152) }
```

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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