

Converting Colors

CIELCh(37, 45.197, 314.664)

Have a look what the booklet for
CIELCh(37, 45.197, 314.664)
contains.

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Color

CIELCh(37, 45.140, 314.650)

Conversions

Conversions Part 1

Format	Color
Hex	6F458B
RGB	111, 69, 139
RGB Percent	44%, 27%, 55%
CMY	0.5640, 0.7287, 0.4542
CMYK	0.20, 0.50, 0.00, 0.45
HSL	276°, 34%, 41%
HSV	276°, 50%, 55%
XYZ	13.3908, 9.5379, 25.6325
YIQ	89.5380, 2.5620, 30.6740

Conversions

Conversions Part 2

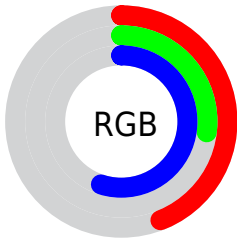
Format	Color
R_{YB}	111, 69, 139
Decimal	7292299
CIE _{Lab}	37.00, 31.72, -32.11
CIE _{LCh}	37, 45.140, 314.650
Yxy	9.5379, 0.2758, 0.1964
Android (android.graphics.Color)	4285482379 (0xFF6F458B)
YUV	89.5380, 24.3848, 18.8222
Hunter-Lab	30.8835, 23.3499, -27.5907

Details

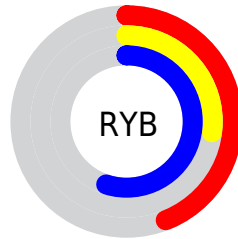
The CIELCh color $37, 45.140, 314.650$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $53, 42.801, 130.206$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 44.872, 314.443$, and $17, 44.596, 314.789$ is the 20% darker color. If you saturate the color by 10%, you get $33, 53.844, 315.007$, and if you desaturate by 10%, it is $41, 36.098, 314.228$.

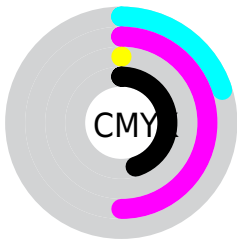
Distribution



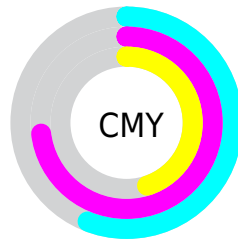
- Red (44%)
- Green (27%)
- Blue (55%)



- Red (44%)
- Yellow (27%)
- Blue (55%)



- Cyan (20%)
- Magenta (50%)
- Yellow (0%)
- Black (45%)





- Cyan (56%)
- Magenta (73%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 45.140, 314.650 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 37, 45.140, 314.650 by changing the saturation by 10% instead.

 37, 45.140,
314.650


 37, 45.140,
314.650

 100, 45.140,
314.650

 27, 45.140,
314.650

 57, 45.140,
314.650


 17, 45.140,
314.650


 67, 45.140,
314.650

 7, 45.140, 314.650

 77, 45.140,
314.650

 0, 45.140, 314.650

 87, 45.140,
314.650

 97, 45.140,
314.650

37, 45.140,
314.650

37, 45.140,
314.650

33, 53.844,
315.007

41, 36.098,
314.228

30, 61.860,
315.243

45, 26.964,
313.779

27, 68.720,
315.287

49, 17.893,
313.329

25, 73.920,
315.058

54, 8.977, 312.891

58, 0.268, 312.068

23, 77.707,
314.660

62, 8.210, 132.138

66, 16.446,
131.790

71, 24.440,
131.480

■ 75, 32.199,
131.204

Harmonies

Complementary

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



37, 45.140, 314.650



53, 42.801, 130.206

Rectangle

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



37, 45.140, 314.650



37, 45.140, 4.650



37, 45.140, 134.650



37, 45.140, 184.650

Sweetspot

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



37, 45.139, 314.650



66, 16.294, 313.109



41, 26.529, 274.532



34, 11.228, 313.191



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



37, 45.139, 314.650



43, 66.336, 315.037



40, 44.833, 330.102



27, 4.867, 312.841



21, 74.995, 314.709



0, 2.235, 312.483

Inverse Universe

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



39, 33.217, 355.321



47, 48.330, 357.429



52, 45.074, 143.157



27, 3.595, 350.163



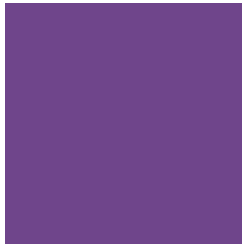
27, 52.063, 10.101



0, 1.645, 349.414

Previews

White Background



This preview shows how the CIELCh color 37, 45.140, 314.650 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 37, 45.140, 314.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

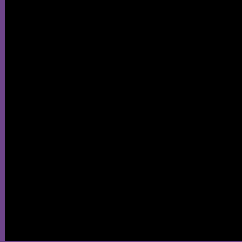
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 45.140, 314.650

Background



This preview shows how black text looks on a background with the CIELCh color 37, 45.140, 314.650.



This preview shows how white text looks on a background with the CIELCh color 37, 45.140, 314.650.

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

37, 45.140, 314.650

Protanopia

37, 42.719, 286.333

Deuteranopia

37, 30.756, 280.643



Tritanopia
37, 9.815, 358.884

Trichromacy



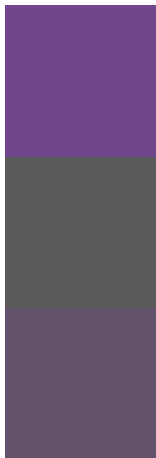
Original Color
37, 45.140, 314.650

Protanomaly
37, 43.225, 295.516

Deuteranomaly
37, 34.633, 294.950

Tritanomaly
37, 21.865, 324.926

Monochromacy



Original Color
37, 45.140, 314.650

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 17.341, 313.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 45.140, 314.650 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(111, 69, 139)` looks like.

```
.text, #text, p{  
    color:rgb(111, 69, 139)  
}
```

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(111, 69, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 69, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 45.140, 314.650 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(111, 69, 139) }
```

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

```
.border{ border-color:rgb(111, 69, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 69, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 69, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 69, 139); box-shadow:4px 4px 4px 4px rgb(111, 69, 139) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 45.140, 314.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 69, 139) }
```

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

```
.background{ background-color: rgb(111, 69,  
139) }
```

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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