

Converting Colors

CIELCh(36, 32.520, 314.460)

Have a look what the booklet for
CIELCh(36, 32.520, 314.460)
contains.

CIELCh(36, 32.341, 314.589)	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(36, 32.341, 314.589)

Conversions

Conversions Part 1

Format	Color
Hex	67497A
RGB	103, 73, 122
RGB Percent	40%, 29%, 48%
CMY	0.5969, 0.7145, 0.5224
CMYK	0.16, 0.40, 0.00, 0.52
HSL	277°, 25%, 38%
HSV	277°, 40%, 48%
XYZ	11.4363, 9.0082, 19.4757
YIQ	87.5560, 2.1510, 21.5990

Conversions

Conversions Part 2

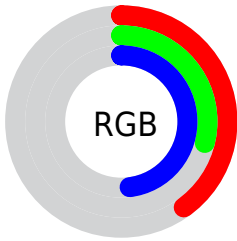
Format	Color
R_{YB}	103, 73, 122
Decimal	6769018
CIE Lab	36.00, 22.70, -23.03
CIE LCh	36, 32.341, 314.589
Yxy	9.0082, 0.2865, 0.2257
Android (android.graphics.Color)	4284959098 (0xFF67497A)
YUV	87.5560, 16.9809, 13.5444
Hunter-Lab	30.0136, 15.4912, -17.4636




Details

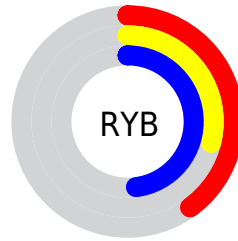
The CIELCh color $36, 32.341, 314.589$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $48, 31.072, 131.092$, and the grayscale version is $37, 0.005, 296.813$.




A 20% lighter version of the original color is $56, 32.641, 314.536$, and $16, 32.410, 314.895$ is the 20% darker color. If you saturate the color by 10%, you get $32, 40.449, 315.000$, and if you desaturate by 10%, it is $40, 24.148, 314.152$.

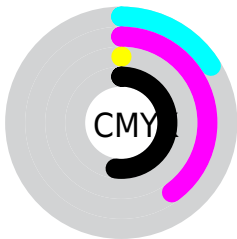
Distribution







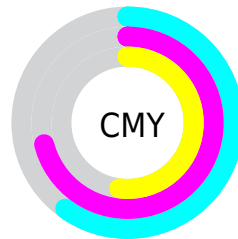
-  Red (40%)
-  Green (29%)
-  Blue (48%)






-  Red (40%)
-  Yellow (29%)
-  Blue (48%)



-  Cyan (16%)
-  Magenta (40%)
-  Yellow (0%)
-  Black (52%)





-  Cyan (60%)
-  Magenta (71%)
-  Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 32.341, 314.589 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 36, 32.341, 314.589 by changing the saturation by 10% instead.


 36, 32.341,
314.589


 36, 32.341,
314.589

 100, 32.341,
314.589


 26, 32.341,
314.589

 56, 32.341,
314.589


 16, 32.341,
314.589


 66, 32.341,
314.589

 6, 32.341, 314.589

 76, 32.341,
314.589

 0, 32.341, 314.589

 86, 32.341,
314.589

 96, 32.341,
314.589

■ 36, 32.341,
314.589

■ 36, 32.341,
314.589

■ 32, 40.449,
315.000

■ 40, 24.148,
314.152

■ 29, 48.265,
315.349

■ 43, 16.009,
313.712

■ 26, 55.487,
315.584

■ 47, 8.003, 313.283

■ 23, 61.716,
315.641

■ 51, 0.178, 312.296

■ 55, 7.444, 132.543

■ 21, 66.518,
315.443

■ 59, 14.853,
132.199

■ 20, 70.316,
315.132

■ 63, 22.049,
131.891

■ 66, 29.035,
131.616

■ 70, 35.820,
131.371

Harmonies

Complementary

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



36, 32.341, 314.589



48, 31.072, 131.092

Rectangle

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



36, 32.341, 314.589



36, 32.341, 4.589



36, 32.341, 134.589



36, 32.341, 184.589

Sweetspot

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



36, 32.340, 314.589



59, 11.661, 313.371



39, 18.954, 271.987



30, 7.701, 313.412



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



36, 32.340, 314.589



43, 47.871, 314.959



38, 32.659, 329.512



24, 4.423, 313.234



20, 71.641, 315.104



44, 121.101, 314.538

Inverse Universe

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



37, 23.752, 354.474



45, 35.050, 355.849



47, 32.685, 144.286



24, 3.233, 350.901



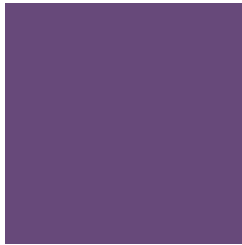
25, 49.935, 10.911



54, 84.601, 13.988

Previews

White Background



This preview shows how the CIELCh color 36, 32.341, 314.589 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 36, 32.341, 314.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

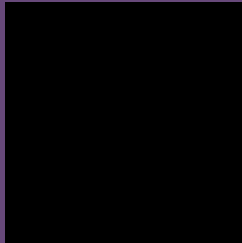
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 32.341, 314.589

Background



This preview shows how black text looks on a background with the CIELCh color 36, 32.341, 314.589.



This preview shows how white text looks on a background with the CIELCh color 36, 32.341, 314.589.

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

36, 32.341, 314.589

Protanopia

36, 29.934, 285.744

Deuteranopia

36, 22.507, 284.047



Tritanopia
36, 8.523, 350.197

Trichromacy



Original Color
36, 32.341, 314.589

Protanomaly
36, 30.504, 296.223

Deuteranomaly
36, 25.577, 297.378

Tritanomaly
36, 16.915, 324.382

Monochromacy



Original Color
36, 32.341, 314.589

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 12.082, 313.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 32.341, 314.589 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(103, 73, 122)` looks like.

```
.text, #text, p{  
    color:rgb(103, 73, 122)  
}
```

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(103, 73, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 73, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 32.341, 314.589 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(103, 73, 122) }
```

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

```
.border{ border-color:rgb(103, 73, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 73, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 73, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 73, 122);  
box-shadow:4px 4px 4px 4px rgb(103, 73,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 32.341, 314.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 73, 122) }
```

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

```
.background{ background-color: rgb(103, 73,  
122) }
```

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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