

Converting Colors

CIELCh(36, 13.872, 338.207)

Have a look what the booklet for
CIELCh(36, 13.872, 338.207)
contains.

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Color

CIELCh(36, 13.747, 339.174)

Conversions

Conversions Part 1

Format	Color
Hex	664E5D
RGB	102, 78, 93
RGB Percent	40%, 31%, 36%
CMY	0.6010, 0.6951, 0.6363
CMYK	0.00, 0.24, 0.09, 0.60
HSL	322°, 13%, 35%
HSV	322°, 24%, 40%
XYZ	10.1205, 9.0082, 11.5015
YIQ	86.8860, 9.4890, 9.7530

Conversions

Conversions Part 2

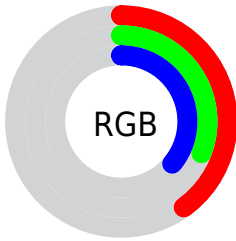
Format	Color
R_{YB}	102, 78, 93
Decimal	6704733
CIE _{Lab}	36.00, 12.85, -4.89
CIE _{LCh}	36, 13.747, 339.174
Yxy	9.0082, 0.3304, 0.2941
Android (android.graphics.Color)	4284894813 (0xFF664E5D)
YUV	86.8860, 3.0142, 13.2550
Hunter-Lab	30.0136, 7.6657, -1.7109




Details

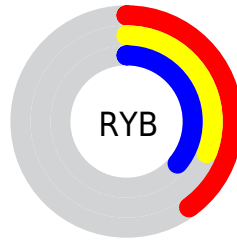
The CIELCh color $[36, 13.747, 339.174]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[41, 13.553, 155.705]$, and the grayscale version is $[37, 0.005, 296.813]$.




A 20% lighter version of the original color is $[56, 13.713, 339.169]$, and $[16, 14.096, 339.693]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 19.603, 340.004]$, and if you desaturate by 10%, it is $[39, 7.868, 338.404]$.

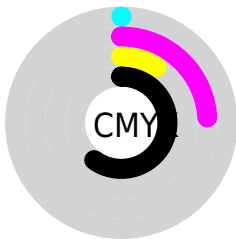
Distribution







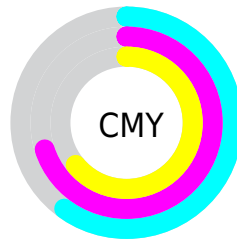
-  Red (40%)
-  Green (31%)
-  Blue (36%)






-  Red (40%)
-  Yellow (31%)
-  Blue (36%)



-  Cyan (0%)
-  Magenta (24%)
-  Yellow (9%)
-  Black (60%)





-  Cyan (60%)
-  Magenta (70%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 13.747, 339.174 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, 13.747, 339.174 by changing the saturation by 10% instead.


 36, 13.747,
339.174


 36, 13.747,
339.174

 100, 13.747,
339.174


 26, 13.747,
339.174

 56, 13.747,
339.174


 16, 13.747,
339.174


 66, 13.747,
339.174

 6, 13.747, 339.174

 76, 13.747,
339.174

 0, 13.747, 339.174

 86, 13.747,
339.174

 96, 13.747,
339.174

■ 36, 13.747,
339.174

■ 36, 13.747,
339.174

■ 33, 19.603,
340.004

■ 39, 7.868, 338.404

■ 30, 25.314,
340.911

■ 42, 2.056, 337.618

■ 45, 3.638, 157.129

■ 28, 30.702,
341.919

■ 48, 9.185, 156.476

■ 26, 35.542,
343.064

■ 51, 14.571,
155.890

■ 24, 39.577,
344.395

■ 55, 19.791,
155.344

■ 22, 42.559,
345.981

■ 58, 24.850,
154.832

■ 21, 44.409,
347.879

■ 61, 29.752,
154.351

■ 21, 45.524,

■ 64, 34.508,

349.100

153.898

Harmonies

Complementary

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



36, 13.747, 339.174



41, 13.553, 155.705

Rectangle

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



36, 13.747, 339.174



36, 13.747, 29.174



36, 13.747, 159.174



36, 13.747, 209.174

Sweetspot

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



36, 13.746, 339.175



53, 5.017, 337.923



35, 15.475, 305.547



26, 3.235, 337.947



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



36, 13.746, 339.175



45, 20.323, 339.601



36, 10.824, 10.622



20, 3.248, 338.054



24, 49.443, 349.501



53, 84.794, 351.308

Inverse Universe

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



36, 13.746, 339.175



45, 20.323, 339.601



41, 9.711, 186.652



20, 3.248, 338.054



24, 49.443, 349.501



53, 84.794, 351.308

Previews

White Background



This preview shows how the CIELCh color 36, 13.747, 339.174 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, 13.747, 339.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

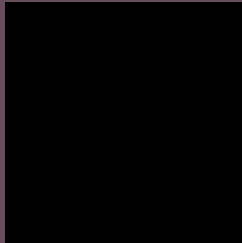
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 13.747, 339.174

Background



This preview shows how black text looks on a background with the CIELCh color 36, 13.747, 339.174.



This preview shows how white text looks on a background with the CIELCh color 36, 13.747, 339.174.

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, 13.747, 339.174

Protanopia

36, 8.080, 288.659

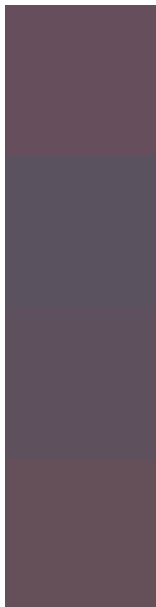
Deuteranopia

36, 7.094, 319.238



Tritanopia
36, 10.288, 359.960

Trichromacy



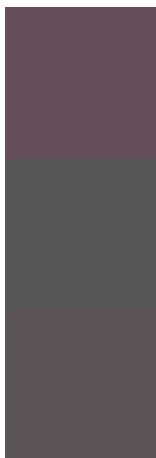
Original Color
36, 13.747, 339.174

Protanomaly
36, 8.771, 313.519

Deuteranomaly
36, 9.535, 329.418

Tritanomaly
36, 10.993, 350.801

Monochromacy



Original Color
36, 13.747, 339.174

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 4.619, 338.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 13.747, 339.174 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(102, 78, 93)` looks like.

```
.text, #text, p{  
    color:rgb(102, 78, 93)  
}
```

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(102, 78, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 78, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 13.747, 339.174 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(102, 78, 93) }
```

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

```
.border{ border-color:rgb(102, 78, 93) }
```

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

Here you see how a box with a 4 pixel rgb(102, 78, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 78, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 78, 93);  
box-shadow:4px 4px 4px 4px rgb(102, 78,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 13.747, 339.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 78, 93) }
```

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

```
.background{ background-color: rgb(102, 78,  
93) }
```

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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