

Converting Colors

CIELCh(36, 12.413, 337.074)

Have a look what the booklet for
CIELCh(36, 12.413, 337.074)
contains.

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Color

CIELCh(36, 12.409, 337.081)

Conversions

Conversions Part 1

Format	Color
Hex	644F5D
RGB	100, 79, 93
RGB Percent	39%, 31%, 36%
CMY	0.6094, 0.6917, 0.6368
CMYK	0.00, 0.21, 0.07, 0.61
HSL	320°, 12%, 35%
HSV	320°, 21%, 39%
XYZ	9.9397, 9.0082, 11.4814
YIQ	86.8750, 8.0220, 8.8060

Conversions

Conversions Part 2

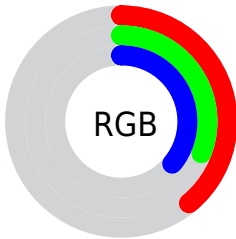
Format	Color
R_{YB}	100, 79, 93
Decimal	6573917
CIE _{Lab}	36.00, 11.43, -4.83
CIE _{LCh}	36, 12.409, 337.081
Yxy	9.0082, 0.3266, 0.2960
Android (android.graphics.Color)	4284763997 (0xFF644F5D)
YUV	86.8750, 3.0196, 11.5106
Hunter-Lab	30.0136, 6.5907, -1.6713

Details

The CIELCh color **36, 12.409, 337.081** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 12.284, 154.156**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 12.461, 337.347**, and **16, 12.658, 337.162** is the 20% darker color. If you saturate the color by 10%, you get **33, 18.333, 337.843**, and if you desaturate by 10%, it is **39, 6.478, 336.362**.

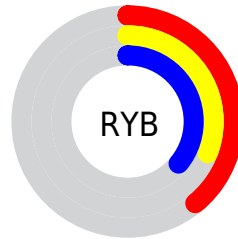
Distribution



 Red (39%)

 Green (31%)

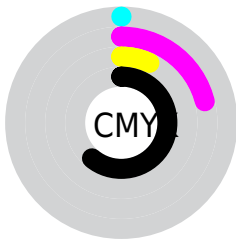
 Blue (36%)



 Red (39%)

 Yellow (31%)

 Blue (36%)

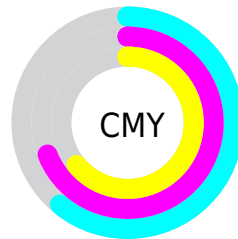


 Cyan (0%)

 Magenta (21%)

 Yellow (7%)

 Black (61%)



 Cyan (61%)


 Magenta (69%)


 Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 12.409, 337.081 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, 12.409, 337.081 by changing the saturation by 10% instead.


 36, 12.409,
337.081


 36, 12.409,
337.081

 100, 12.409,
337.081


 26, 12.409,
337.081

 56, 12.409,
337.081


 16, 12.409,
337.081


 66, 12.409,
337.081

 6, 12.409, 337.081

 76, 12.409,
337.081

 0, 12.409, 337.081

 86, 12.409,
337.081

 96, 12.409,
337.081

36, 12.409,
337.081

36, 12.409,
337.081

33, 18.333,
337.843

39, 6.478, 336.362

31, 24.138,
338.661

42, 0.621, 335.394

45, 5.114, 155.152

28, 29.660,
339.553

48, 10.702,
154.545

26, 34.686,
340.542

51, 16.129,
153.987

24, 38.968,
341.664

54, 21.393,
153.464

22, 42.253,
342.968


57, 26.497,
152.971

21, 44.356,
344.519

60, 31.448,
152.508

20, 45.912,

345.954

 64, 36.254,
152.072

Harmonies

Complementary

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



36, 12.409, 337.081



40, 12.284, 154.156

Rectangle

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



36, 12.409, 337.081



36, 12.409, 27.081



36, 12.409, 157.081



36, 12.409, 207.081

Sweetspot

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



36, 12.408, 337.082



52, 4.357, 336.007



35, 13.446, 303.640



27, 2.914, 336.038



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, 12.408, 337.082



45, 18.363, 337.432



36, 9.536, 6.487



20, 3.346, 336.210



24, 50.584, 346.349



54, 86.723, 347.856

Inverse Universe

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



36, 12.408, 337.082



45, 18.363, 337.432



40, 8.773, 182.803



20, 3.346, 336.210



24, 50.584, 346.349



54, 86.723, 347.856

Previews

White Background



This preview shows how the CIELCh color 36, 12.409, 337.081 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 36, 12.409, 337.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

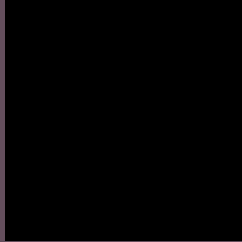
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 12.409, 337.081

Background



This preview shows how black text looks on a background with the CIELCh color 36, 12.409, 337.081.



This preview shows how white text looks on a background with the CIELCh color 36, 12.409, 337.081.

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, 12.409, 337.081

Protanopia

36, 7.461, 288.309

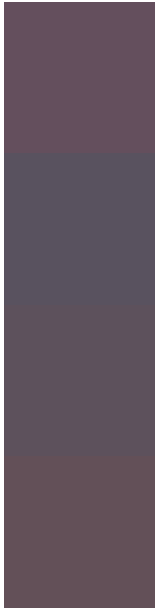
Deuteranopia

36, 7.094, 319.238



Tritanopia
36, 9.043, 356.644

Trichromacy



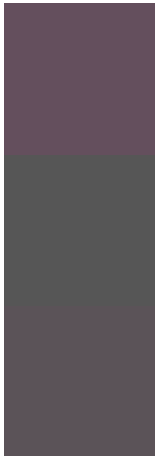
Original Color
36, 12.409, 337.081

Protanomaly
36, 8.624, 310.950

Deuteranomaly
36, 8.526, 327.437

Tritanomaly
36, 9.564, 349.795

Monochromacy



Original Color
36, 12.409, 337.081

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 4.628, 338.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 12.409, 337.081 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(100, 79, 93)` looks like.

```
.text, #text, p{  
    color:rgb(100, 79, 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(100, 79, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 79, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 12.409, 337.081 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(100, 79, 93) }
```

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

```
.border{ border-color:rgb(100, 79, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 79, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 79, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 79, 93);  
box-shadow:4px 4px 4px 4px rgb(100, 79,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 12.409, 337.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 79, 93) }
```

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

```
.background{ background-color: rgb(100, 79,  
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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