

Converting Colors

CIELCh(36, 23.126, 325.848)

Have a look what the booklet for
CIELCh(36, 23.126, 325.848)
contains.

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Color

CIELCh(36, 23.562, 325.980)

Conversions

Conversions Part 1

Format	Color
Hex	6A4A6A
RGB	106, 74, 106
RGB Percent	42%, 29%, 42%
CMY	0.5842, 0.7097, 0.5842
CMYK	0.00, 0.30, 0.00, 0.58
HSL	300°, 18%, 35%
HSV	300°, 30%, 42%
XYZ	11.0007, 9.0082, 14.8022
YIQ	87.2160, 8.8000, 16.7360

Conversions

Conversions Part 2

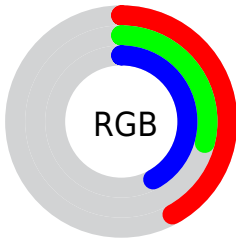
Format	Color
R_{YB}	106, 74, 106
Decimal	6965866
CIE _{Lab}	36.00, 19.53, -13.18
CIE _{LCh}	36, 23.562, 325.980
Yxy	9.0082, 0.3160, 0.2588
Android (android.graphics.Color)	4285155946 (0xFF6A4A6A)
YUV	87.2160, 9.2605, 16.4736
Hunter-Lab	30.0136, 12.9005, -8.2314

Details

The CIELCh color $[36, 23.562, 325.980]$ is a dark color, and the websafe version is hex `#663366`. A complement of this color would be $[42, 23.560, 142.483]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 23.548, 326.405]$, and $[16, 23.871, 325.769]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 31.158, 326.466]$, and if you desaturate by 10%, it is $[39, 15.765, 325.471]$.

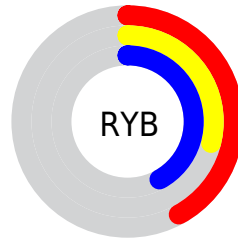
Distribution



Red (42%)

Green (29%)

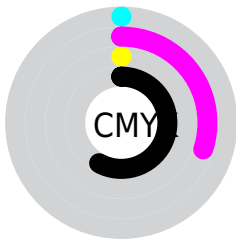
Blue (42%)



Red (42%)

Yellow (29%)

Blue (42%)

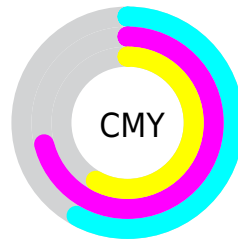


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (58%)



Cyan (58%)


Magenta (71%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 23.562, 325.980 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, 23.562, 325.980 by changing the saturation by 10% instead.


 36, 23.562,
325.980


 36, 23.562,
325.980

 100, 23.562,
325.980


 26, 23.562,
325.980

 56, 23.562,
325.980


 16, 23.562,
325.980


 66, 23.562,
325.980

 6, 23.562, 325.980

 76, 23.562,
325.980

 0, 23.562, 325.980

 86, 23.562,
325.980

 96, 23.562,
325.980

36, 23.562,
325.980

36, 23.562,
325.980

33, 31.158,
326.466

39, 15.765,
325.471

31, 38.358,
326.916

42, 7.923, 324.946

45, 0.144, 323.327

29, 44.914,
327.317

48, 7.500, 143.968

27, 50.559,
327.653

51, 14.966,
143.467

26, 55.041,
327.915

54, 22.227,
142.992

25, 58.189,
328.096

57, 29.273,
142.541

24, 60.604,
328.233

61, 36.101,
142.115

■ 64, 42.715,
141.714

Harmonies

Complementary

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



36, 23.562, 325.980



42, 23.560, 142.483

Rectangle

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



36, 23.562, 325.980



36, 23.562, 15.980



36, 23.562, 145.980



36, 23.562, 195.980

Sweetspot

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



36, 23.561, 325.980



54, 8.677, 324.896



33, 20.229, 293.628



27, 5.988, 324.955



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



36, 23.561, 325.980



45, 34.697, 326.315



35, 16.830, 346.268



21, 4.407, 324.881



27, 65.114, 328.233



58, 112.048, 328.233

Inverse Universe

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



36, 23.561, 325.980



45, 34.697, 326.315



42, 16.249, 161.038



21, 4.407, 324.881



27, 65.114, 328.233



58, 112.048, 328.233

Previews

White Background



This preview shows how the CIELCh color 36, 23.562, 325.980 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, 23.562, 325.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

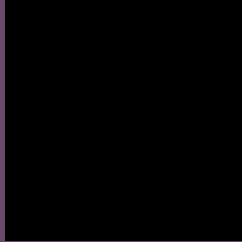
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 23.562, 325.980

Background



This preview shows how black text looks on a background with the CIELCh color 36, 23.562, 325.980.



This preview shows how white text looks on a background with the CIELCh color 36, 23.562, 325.980.

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, 23.562, 325.980

Protanopia

36, 18.096, 284.999

Deuteranopia

36, 13.059, 292.300



Tritanopia
36, 11.568, 2.632

Trichromacy



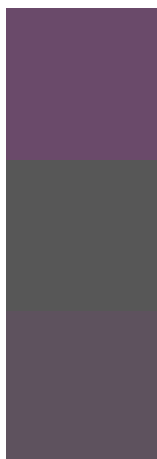
Original Color
36, 23.562, 325.980

Protanomaly
36, 18.993, 302.363

Deuteranomaly
36, 16.220, 308.089

Tritanomaly
36, 14.729, 342.828

Monochromacy



Original Color
36, 23.562, 325.980

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 9.008, 325.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 23.562, 325.980 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(106, 74, 106)` looks like.

```
.text, #text, p{  
    color:rgb(106, 74, 106)  
}
```

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(106, 74, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 74, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 23.562, 325.980 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(106, 74, 106) }
```

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

```
.border{ border-color:rgb(106, 74, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 74, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 74, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 74, 106);  
box-shadow:4px 4px 4px 4px rgb(106, 74,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 23.562, 325.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 74, 106) }
```

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

```
.background{ background-color: rgb(106, 74,  
106) }
```

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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