

Converting Colors

CIELCh(36, 23.607, 307.409)

Have a look what the booklet for
CIELCh(36, 23.607, 307.409)
contains.

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Color

CIELCh(36, 23.783, 307.416)

Conversions

Conversions Part 1

Format	Color
Hex	5D4E73
RGB	93, 78, 115
RGB Percent	36%, 31%, 45%
CMY	0.6354, 0.6942, 0.5491
CMYK	0.19, 0.32, 0.00, 0.55
HSL	264°, 19%, 38%
HSV	264°, 32%, 45%
XYZ	10.3271, 9.0082, 17.4059
YIQ	86.7030, -2.9370, 14.6870

Conversions

Conversions Part 2

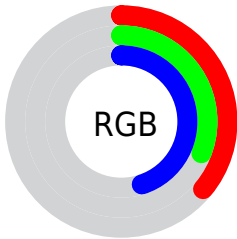
Format	Color
RYB	93, 78, 115
Decimal	6114931
CIELab	36.00, 14.45, -18.89
CIElCh	36, 23.783, 307.416
Yxy	9.0082, 0.2811, 0.2452
Android (android.graphics.Color)	4284305011 (0xFF5D4E73)
YUV	86.7030, 13.9504, 5.5225
Hunter-Lab	30.0136, 8.8944, -13.3747

Details

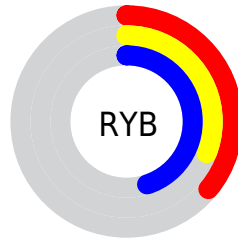
The CIELCh color **36, 23.783, 307.416** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **46, 22.573, 124.157**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 23.850, 307.644**, and **16, 23.581, 306.970** is the 20% darker color. If you saturate the color by 10%, you get **32, 31.561, 308.048**, and if you desaturate by 10%, it is **40, 16.162, 306.823**.

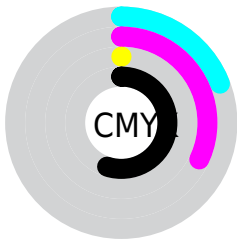
Distribution



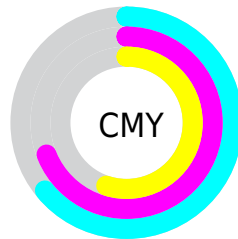
- Red (36%)
- Green (31%)
- Blue (45%)



- Red (36%)
- Yellow (31%)
- Blue (45%)



- Cyan (19%)
- Magenta (32%)
- Yellow (0%)
- Black (55%)





- Cyan (64%)
- Magenta (69%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 23.783, 307.416 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, 23.783, 307.416 by changing the saturation by 10% instead.


 36, 23.783,
307.416


 36, 23.783,
307.416

 100, 23.783,
307.416


 26, 23.783,
307.416

 56, 23.783,
307.416


 16, 23.783,
307.416


 66, 23.783,
307.416

 6, 23.783, 307.416

 76, 23.783,
307.416

 0, 23.783, 307.416

 86, 23.783,
307.416

 96, 23.783,
307.416

■ 36, 23.783,
307.416

■ 36, 23.783,
307.416

■ 32, 31.561,
308.048

■ 40, 16.162,
306.823

■ 28, 39.410,
308.698

■ 44, 8.743, 306.278

■ 48, 1.545, 305.759

■ 25, 47.170,
309.327

■ 51, 5.431, 125.372

■ 22, 54.566,
309.873

■ 55, 12.187,
124.982

■ 19, 61.174,
310.241

■ 59, 18.731,
124.643

■ 16, 66.455,
310.315

■ 63, 25.074,
124.348

■ 15, 70.351,
310.420

■ 67, 31.227,
124.092

■ 70, 37.198,
123.870

Harmonies

Complementary

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



36, 23.783, 307.416



46, 22.573, 124.157

Rectangle

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



36, 23.783, 307.416



36, 23.783, 357.416



36, 23.783, 127.416



36, 23.783, 177.416

Sweetspot

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



36, 23.782, 307.416



57, 8.924, 306.179



41, 11.876, 248.154



29, 6.146, 306.237



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 23.782, 307.416



44, 36.287, 307.909



38, 26.147, 323.184



22, 4.089, 306.117



16, 73.631, 310.347



37, 125.647, 309.764

Inverse Universe

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



38, 20.367, 341.422



47, 30.700, 342.170



45, 25.990, 139.863



23, 3.577, 339.492



26, 50.964, 352.152



55, 85.589, 354.024

Previews

White Background



This preview shows how the CIELCh color 36, 23.783, 307.416 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, 23.783, 307.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

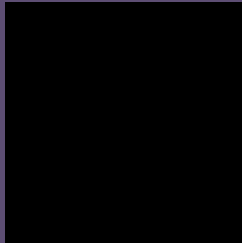
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 23.783, 307.416

Background



This preview shows how black text looks on a background with the CIELCh color 36, 23.783, 307.416.

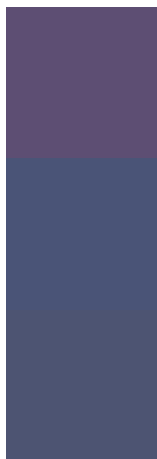


This preview shows how white text looks on a background with the CIELCh color 36, 23.783, 307.416.

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, 23.783, 307.416

Protanopia

36, 21.860, 284.490

Deuteranopia

36, 18.705, 285.398



Tritanopia
36, 5.055, 320.799

Trichromacy



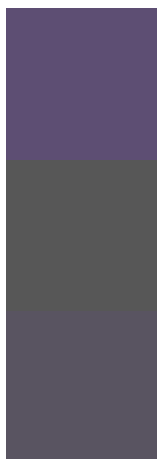
Original Color
36, 23.783, 307.416

Protanomaly
36, 22.360, 292.821

Deuteranomaly
36, 19.904, 294.413

Tritanomaly
36, 11.833, 309.849

Monochromacy



Original Color
36, 23.783, 307.416

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 8.349, 305.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 23.783, 307.416 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(93, 78, 115)` looks like.

```
.text, #text, p{  
    color:rgb(93, 78, 115)  
}
```

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(93, 78, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 78, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 23.783, 307.416 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(93, 78, 115) }
```

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

```
.border{ border-color:rgb(93, 78, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 78, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 78, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 78, 115);  
box-shadow:4px 4px 4px 4px rgb(93, 78,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 23.783, 307.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 78, 115) }
```

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

```
.background{ background-color: rgb(93, 78,  
115) }
```

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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