

Converting Colors

CIELCh(36, 31.605, 293.319)

Have a look what the booklet for
CIELCh(36, 31.605, 293.319)
contains.

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Color

CIELCh(36, 31.666, 293.369)

Conversions

Conversions Part 1

Format	Color
Hex	4D5083
RGB	77, 80, 131
RGB Percent	30%, 31%, 51%
CMY	0.6970, 0.6853, 0.4852
CMYK	0.41, 0.39, 0.00, 0.49
HSL	237°, 26%, 41%
HSV	237°, 41%, 51%
XYZ	10.0836, 9.0082, 22.7762
YIQ	84.9170, -18.1590, 15.2250

Conversions

Conversions Part 2

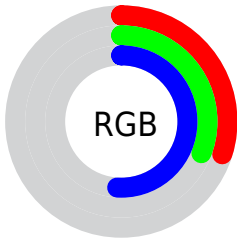
Format	Color
R_{YB}	77, 80, 131
Decimal	5066883
CIE _{Lab}	36.00, 12.56, -29.07
CIE _{LCh}	36, 31.666, 293.369
Yxy	9.0082, 0.2408, 0.2152
Android (android.graphics.Color)	4283256963 (0xFF4D5083)
YUV	84.9170, 22.7189, -6.9432
Hunter-Lab	30.0136, 7.4462, -23.9834

Details

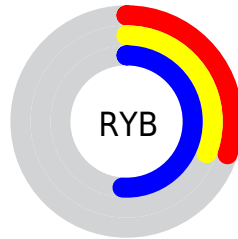
The CIELCh color **36, 31.666, 293.369** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **53, 28.908, 103.844**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 31.536, 293.220**, and **16, 31.393, 293.133** is the 20% darker color. If you saturate the color by 10%, you get **31, 40.153, 295.286**, and if you desaturate by 10%, it is **41, 23.500, 291.701**.

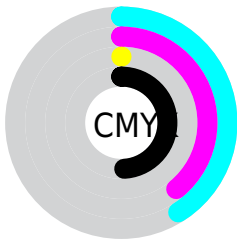
Distribution



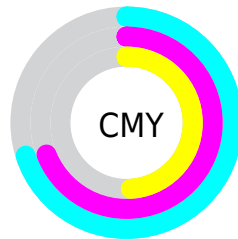
- Red (30%)
- Green (31%)
- Blue (51%)



- Red (30%)
- Yellow (31%)
- Blue (51%)



- Cyan (41%)
- Magenta (39%)
- Yellow (0%)
- Black (49%)





- Cyan (70%)
- Magenta (69%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 31.666, 293.369 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, 31.666, 293.369 by changing the saturation by 10% instead.


 36, 31.666,
293.369


 36, 31.666,
293.369

 100, 31.666,
293.369


 26, 31.666,
293.369

 56, 31.666,
293.369


 16, 31.666,
293.369


 66, 31.666,
293.369

 6, 31.666, 293.369

 76, 31.666,
293.369

 0, 31.666, 293.369

 86, 31.666,
293.369

 96, 31.666,
293.369

■ 36, 31.666,
293.369

■ 36, 31.666,
293.369

■ 31, 40.153,
295.286

■ 41, 23.500,
291.701

■ 27, 48.920,
297.433

■ 45, 15.651,
290.267

■ 23, 57.802,
299.736

■ 50, 8.098, 289.042

■ 19, 66.383,
302.027

■ 54, 0.821, 288.062

■ 59, 6.202, 107.074

■ 16, 73.857,
304.045

■ 63, 12.989,
106.305

■ 14, 78.862,
305.292

■ 68, 19.555,
105.638

■ 72, 25.914,
105.058

■ 77, 32.079,
104.552

Harmonies

Complementary

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



36, 31.666, 293.369



53, 28.908, 103.844

Rectangle

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



36, 31.666, 293.369



36, 31.666, 343.369



36, 31.666, 113.369



36, 31.666, 163.369

Sweetspot

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



36, 31.665, 293.369



63, 10.840, 289.171



51, 19.172, 191.129



32, 7.261, 289.295



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



36, 31.665, 293.369



42, 47.620, 295.079



37, 34.401, 308.913



26, 4.119, 288.820



14, 78.301, 305.281



0, 0.972, 287.875

Inverse Universe

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



39, 24.511, 19.137



47, 37.042, 20.770



52, 32.193, 124.767



26, 3.055, 15.403



26, 60.467, 36.294



0, 0.710, 14.817

Previews

White Background



This preview shows how the CIELCh color 36, 31.666, 293.369 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, 31.666, 293.369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

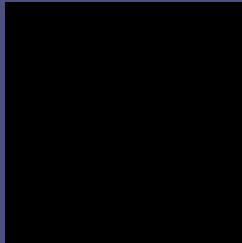
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 31.666, 293.369

Background



This preview shows how black text looks on a background with the CIELCh color 36, 31.666, 293.369.

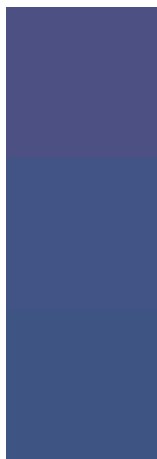


This preview shows how white text looks on a background with the CIELCh color 36, 31.666, 293.369.

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

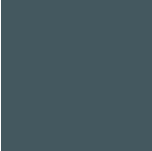
36, 31.666, 293.369

Protanopia

36, 31.803, 285.659

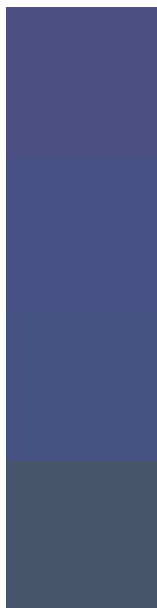
Deuteranopia

36, 29.002, 281.098



Tritanopia
36, 8.743, 228.515

Trichromacy



Original Color
36, 31.666, 293.369

Protanomaly
36, 31.703, 288.296

Deuteranomaly
36, 29.334, 285.416

Tritanomaly
36, 14.990, 272.554

Monochromacy



Original Color
36, 31.666, 293.369

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 11.819, 290.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 31.666, 293.369 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(77, 80, 131)` looks like.

```
.text, #text, p{  
    color:rgb(77, 80, 131)  
}
```

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(77, 80, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 80, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 31.666, 293.369 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(77, 80, 131) }
```

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

```
.border{ border-color:rgb(77, 80, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 80, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 80, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 80, 131);  
box-shadow:4px 4px 4px 4px rgb(77, 80,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 31.666, 293.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 80, 131) }
```

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

```
.background{ background-color: rgb(77, 80,  
131) }
```

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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