

Converting Colors

CIELCh(36, 23.629, 267.035)

Have a look what the booklet for
CIELCh(36, 23.629, 267.035)
contains.

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Color

CIELCh(36, 23.602, 266.914)

Conversions

Conversions Part 1

Format	Color
Hex	35577A
RGB	53, 87, 122
RGB Percent	21%, 34%, 48%
CMY	0.7916, 0.6583, 0.5210
CMYK	0.56, 0.29, 0.00, 0.52
HSL	210°, 39%, 34%
HSV	210°, 56%, 48%
XYZ	8.4172, 9.0082, 19.7548
YIQ	80.8240, -31.4990, 3.6770

Conversions

Conversions Part 2

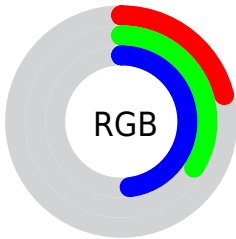
Format	Color
RYB	53, 76, 122
Decimal	3495802
CIELab	36.00, -1.27, -23.57
CIElCh	36, 23.602, 266.914
Yxy	9.0082, 0.2264, 0.2423
Android (android.graphics.Color)	4281685882 (0xFF35577A)
YUV	80.8240, 20.2998, -24.4016
Hunter-Lab	30.0136, -2.4641, -18.0149

Details

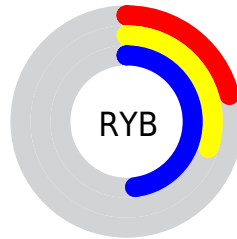
The CIELCh color **36, 23.602, 266.914** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **40, 27.406, 69.362**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 23.631, 266.766**, and **16, 23.099, 269.968** is the 20% darker color. If you saturate the color by 10%, you get **33, 27.577, 270.023**, and if you desaturate by 10%, it is **39, 19.567, 264.244**.

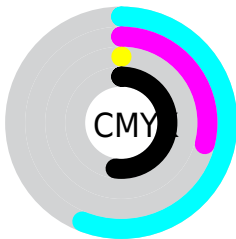
Distribution



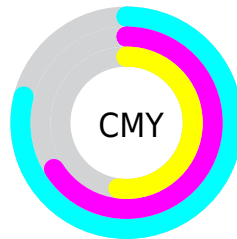
- Red (21%)
- Green (34%)
- Blue (48%)



- Red (21%)
- Yellow (30%)
- Blue (48%)



- Cyan (56%)
- Magenta (29%)
- Yellow (0%)
- Black (52%)





- Cyan (79%)
- Magenta (66%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 23.602, 266.914 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, 23.602, 266.914 by changing the saturation by 10% instead.


 36, 23.602,
266.914


 36, 23.602,
266.914

 100, 23.602,
266.914


 26, 23.602,
266.914

 56, 23.602,
266.914


 16, 23.602,
266.914


 66, 23.602,
266.914

 6, 23.602, 266.914

 76, 23.602,
266.914

 0, 23.602, 266.914

 86, 23.602,
266.914

 96, 23.602,
266.914

■ 36, 23.602,
266.914

■ 36, 23.602,
266.914

■ 33, 27.577,
270.023

■ 39, 19.567,
264.244

■ 31, 31.525,
273.580

■ 41, 15.464,
261.972

■ 29, 35.493,
277.544

■ 44, 11.293,
260.051

■ 27, 39.554,
281.699

■ 47, 7.064, 258.430

■ 26, 41.031,
283.040

■ 49, 2.792, 257.096

■ 52, 1.510, 75.653

■ 55, 5.825, 74.758

■ 58, 10.144, 73.896

■ 61, 14.453, 73.137

Harmonies

Complementary

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



36, 23.602, 266.914



40, 27.406, 69.362

Rectangle

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



36, 23.602, 266.914



36, 23.602, 316.914



36, 23.602, 86.914



36, 23.602, 136.914

Sweetspot

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



36, 23.601, 266.914



59, 8.994, 258.568



46, 32.921, 157.797



30, 5.978, 258.802



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



36, 23.601, 266.914



43, 34.763, 271.095



26, 44.887, 298.319



24, 2.426, 257.409



26, 41.801, 283.155



54, 74.170, 285.715

Inverse Universe

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



33, 34.660, 350.121



39, 49.644, 352.481



50, 38.456, 105.105



24, 3.455, 344.728



26, 50.042, 1.132



54, 83.916, 3.643

Previews

White Background



This preview shows how the CIE LCh color 36, 23.602, 266.914 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, 23.602, 266.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

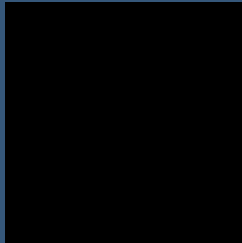
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

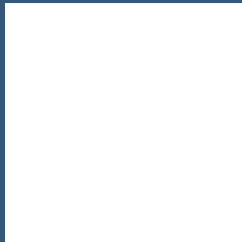
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 23.602, 266.914

Background



This preview shows how black text looks on a background with the CIELCh color 36, 23.602, 266.914.

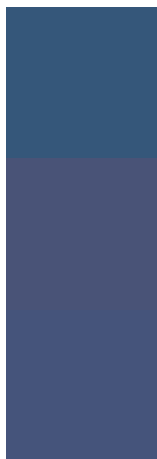


This preview shows how white text looks on a background with the CIELCh color 36, 23.602, 266.914.

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, 23.602, 266.914

Protanopia

36, 22.508, 284.933

Deuteranopia

36, 24.497, 282.261



Tritanopia
36, 16.707, 212.661

Trichromacy



Original Color
36, 23.602, 266.914

Protanomaly
36, 22.347, 277.098

Deuteranomaly
36, 24.297, 276.827

Tritanomaly
36, 17.227, 236.138

Monochromacy



Original Color
36, 23.602, 266.914

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 9.225, 261.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 23.602, 266.914 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(53, 87, 122)` looks like.

```
.text, #text, p{  
    color:rgb(53, 87, 122)  
}
```

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(53, 87, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 87, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 23.602, 266.914 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(53, 87, 122) }
```

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

```
.border{ border-color:rgb(53, 87, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 87, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 87, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 87, 122);  
box-shadow:4px 4px 4px 4px rgb(53, 87,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 23.602, 266.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 87, 122) }
```

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

```
.background{ background-color: rgb(53, 87,  
122) }
```

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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