

Converting Colors

CIELCh(36, 35.584, 285.833)

Have a look what the booklet for
CIELCh(36, 35.584, 285.833)
contains.

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Color

CIELCh(36, 35.520, 285.739)

Conversions

Conversions Part 1

Format	Color
Hex	3E538C
RGB	62, 83, 140
RGB Percent	24%, 33%, 55%
CMY	0.7588, 0.6762, 0.4529
CMYK	0.56, 0.41, 0.00, 0.45
HSL	224°, 39%, 39%
HSV	224°, 56%, 55%
XYZ	9.7143, 9.0082, 25.8517
YIQ	83.2190, -30.8130, 13.2750

Conversions

Conversions Part 2

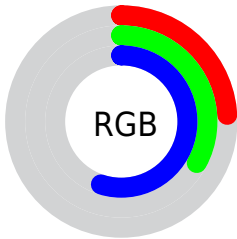
Format	Color
RYB	62, 79, 140
Decimal	4084620
CIELab	36.00, 9.64, -34.19
CIElCh	36, 35.520, 285.739
Yxy	9.0082, 0.2179, 0.2021
Android (android.graphics.Color)	4282274700 (0xFF3E538C)
YUV	83.2190, 27.9930, -18.6091
Hunter-Lab	30.0136, 5.2501, -30.0589

Details

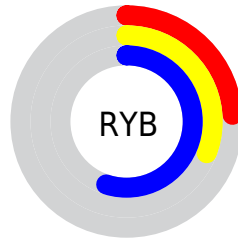
The CIELCh color **36, 35.520, 285.739** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **51, 34.034, 88.931**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 35.644, 285.800**, and **16, 35.019, 286.171** is the 20% darker color. If you saturate the color by 10%, you get **32, 42.458, 288.469**, and if you desaturate by 10%, it is **40, 28.787, 283.335**.

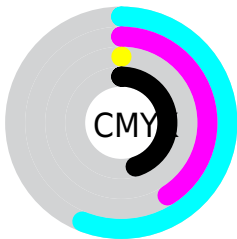
Distribution



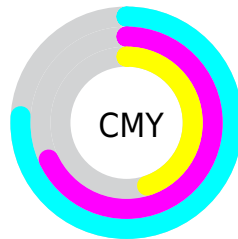
- Red (24%)
- Green (33%)
- Blue (55%)



- Red (24%)
- Yellow (31%)
- Blue (55%)



- Cyan (56%)
- Magenta (41%)
- Yellow (0%)
- Black (45%)





- Cyan (76%)
- Magenta (68%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 35.520, 285.739 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, 35.520, 285.739 by changing the saturation by 10% instead.


 36, 35.520,
285.739


 36, 35.520,
285.739

 100, 35.520,
285.739


 26, 35.520,
285.739

 56, 35.520,
285.739


 16, 35.520,
285.739


 66, 35.520,
285.739

 6, 35.520, 285.739

 76, 35.520,
285.739

 0, 35.520, 285.739

 86, 35.520,
285.739

 96, 35.520,
285.739

■ 36, 35.520,
285.739

■ 36, 35.520,
285.739

■ 32, 42.458,
288.469

■ 40, 28.787,
283.335

■ 29, 49.603,
291.486

■ 44, 22.242,
281.249

■ 25, 56.893,
294.687

■ 48, 15.863,
279.453

■ 22, 64.143,
297.866

■ 52, 9.634, 277.913

■ 56, 3.544, 276.608

■ 21, 67.044,
299.015

■ 60, 2.413, 95.351

■ 64, 8.242, 94.396

■ 68, 13.948, 93.531

■ 71, 19.534, 92.766

Harmonies

Complementary

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



36, 35.520, 285.739



51, 34.034, 88.931

Rectangle

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



36, 35.520, 285.739



36, 35.520, 335.739



36, 35.520, 105.739



36, 35.520, 155.739

Sweetspot

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



36, 35.519, 285.740



65, 12.752, 278.122



53, 30.003, 171.186



33, 8.613, 278.377



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



36, 35.519, 285.740



41, 53.580, 289.205



32, 49.454, 303.709



27, 3.356, 277.002



20, 64.304, 298.855



0, 1.544, 275.869

Inverse Universe

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



37, 35.591, 5.853



44, 52.047, 9.149



55, 43.158, 115.191



27, 3.351, 358.850



27, 54.234, 22.039



0, 1.526, 358.072

Previews

White Background



This preview shows how the CIELCh color 36, 35.520, 285.739 looks on a white background.

Color Contrast Check

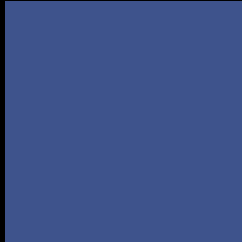
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.520, 285.739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

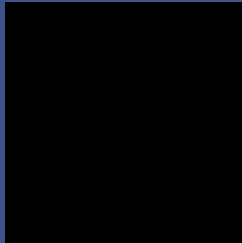
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 35.520, 285.739

Background



This preview shows how black text looks on a background with the CIELCh color 36, 35.520, 285.739.

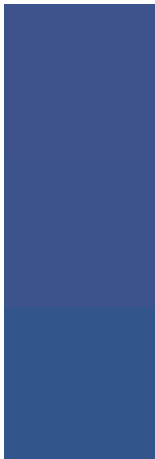


This preview shows how white text looks on a background with the CIELCh color 36, 35.520, 285.739.

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, 35.520, 285.739

Protanopia

36, 35.555, 285.335

Deuteranopia

36, 34.243, 279.035



Tritanopia
36, 16.025, 215.804

Trichromacy



Original Color
36, 35.520, 285.739

Protanomaly
36, 35.555, 285.335

Deuteranomaly
36, 34.642, 281.404

Tritanomaly
36, 19.401, 255.557

Monochromacy



Original Color
36, 35.520, 285.739

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 13.334, 279.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 35.520, 285.739 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(62, 83, 140)` looks like.

```
.text, #text, p{  
    color:rgb(62, 83, 140)  
}
```

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(62, 83, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 83, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 35.520, 285.739 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(62, 83, 140) }
```

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

```
.border{ border-color:rgb(62, 83, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 83, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 83, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 83, 140);  
box-shadow:4px 4px 4px 4px rgb(62, 83,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 35.520, 285.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 83, 140) }
```

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

```
.background{ background-color: rgb(62, 83,  
140) }
```

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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