

Converting Colors

CIELCh(36, 21.496, 282.686)

Have a look what the booklet for
CIELCh(36, 21.496, 282.686)
contains.

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Color

CIELCh(36, 21.352, 282.321)

Conversions

Conversions Part 1

Format	Color
Hex	485476
RGB	72, 84, 118
RGB Percent	28%, 33%, 46%
CMY	0.7180, 0.6709, 0.5376
CMYK	0.39, 0.29, 0.00, 0.54
HSL	224°, 24%, 37%
HSV	224°, 39%, 46%
XYZ	9.0948, 9.0082, 18.3712
YIQ	84.2880, -18.0660, 8.0300

Conversions

Conversions Part 2

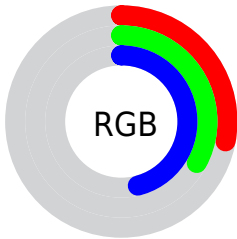
Format	Color
R_{YB}	72, 82, 118
Decimal	4740214
CIE Lab	36.00, 4.56, -20.86
CIE LCh	36, 21.352, 282.321
Yxy	9.0082, 0.2493, 0.2470
Android (android.graphics.Color)	4282930294 (0xFF485476)
YUV	84.2880, 16.6200, -10.7766
Hunter-Lab	30.0136, 1.5658, -15.2817

Details

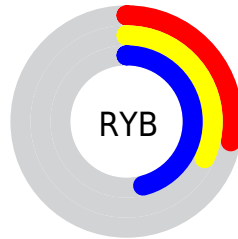
The CIELCh color **36, 21.352, 282.321** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45, 20.836, 91.875**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 21.409, 282.541**, and **16, 21.293, 282.444** is the 20% darker color. If you saturate the color by 10%, you get **33, 27.170, 284.432**, and if you desaturate by 10%, it is **39, 15.687, 280.496**.

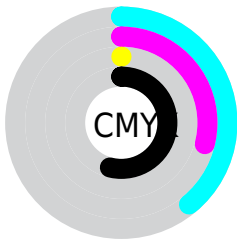
Distribution



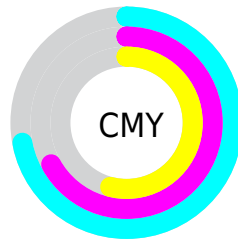
- Red (28%)
- Green (33%)
- Blue (46%)



- Red (28%)
- Yellow (32%)
- Blue (46%)



- Cyan (39%)
- Magenta (29%)
- Yellow (0%)
- Black (54%)





- Cyan (72%)
- Magenta (67%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 21.352, 282.321 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, 21.352, 282.321 by changing the saturation by 10% instead.


 36, 21.352,
282.321


 36, 21.352,
282.321

 100, 21.352,
282.321


 26, 21.352,
282.321

 56, 21.352,
282.321


 16, 21.352,
282.321


 66, 21.352,
282.321

 6, 21.352, 282.321

 76, 21.352,
282.321

 0, 21.352, 282.321

 86, 21.352,
282.321

 96, 21.352,
282.321

■ 36, 21.352,
282.321

■ 36, 21.352,
282.321

■ 33, 27.170,
284.432

■ 39, 15.687,
280.496

■ 29, 33.160,
286.851

■ 43, 10.161,
278.926

■ 26, 39.336,
289.577

■ 46, 4.764, 277.583

■ 23, 45.685,
292.561

■ 50, 0.512, 96.124

■ 53, 5.674, 95.336

■ 20, 52.129,
295.688

■ 57, 10.724, 94.454

■ 17, 58.501,
298.615

■ 60, 15.665, 93.674

■ 64, 20.501, 92.983

■ 17, 59.123,
298.870

■ 67, 25.235, 92.367

Harmonies

Complementary

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



36, 21.352, 282.321



45, 20.836, 91.875

Rectangle

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



36, 21.352, 282.321



36, 21.352, 332.321



36, 21.352, 102.321



36, 21.352, 152.321

Sweetspot

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



36, 21.351, 282.321



58, 7.883, 278.001



46, 18.915, 174.574



29, 5.203, 278.124



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, 21.351, 282.321



43, 32.218, 284.244



33, 29.275, 302.303



23, 2.964, 277.586



18, 60.969, 299.002



39, 109.031, 300.724

Inverse Universe

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



36, 21.420, 3.179



44, 32.193, 4.751



48, 26.928, 116.878



23, 2.917, 359.470



25, 51.275, 22.314



53, 88.856, 25.716

Previews

White Background



This preview shows how the CIELCh color 36, 21.352, 282.321 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, 21.352, 282.321 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, 21.352, 282.321

Background



This preview shows how black text looks on a background with the CIELCh color 36, 21.352, 282.321.

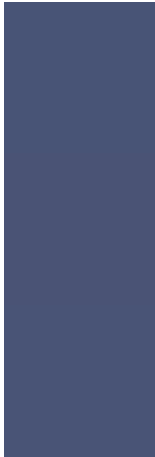


This preview shows how white text looks on a background with the CIELCh color 36, 21.352, 282.321.

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

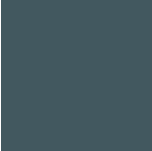
36, 21.352, 282.321

Protanopia

36, 21.254, 285.034

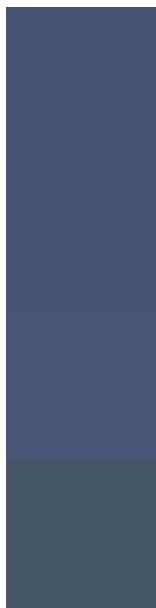
Deuteranopia

36, 21.302, 283.197



Tritanopia
36, 9.363, 226.285

Trichromacy



Original Color
36, 21.352, 282.321

Protanomaly
36, 21.296, 284.138

Deuteranomaly
36, 21.302, 283.197

Tritanomaly
36, 11.947, 255.559

Monochromacy



Original Color
36, 21.352, 282.321

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 7.595, 279.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 21.352, 282.321 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(72, 84, 118)` looks like.

```
.text, #text, p{  
    color:rgb(72, 84, 118)  
}
```

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(72, 84, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 84, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 21.352, 282.321 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(72, 84, 118) }
```

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

```
.border{ border-color:rgb(72, 84, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 84, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 84, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 84, 118);  
box-shadow:4px 4px 4px 4px rgb(72, 84,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 21.352, 282.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 84, 118) }
```

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

```
.background{ background-color: rgb(72, 84,  
118) }
```

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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