

Converting Colors

CIELCh(36, 21.396, 303.609)

Have a look what the booklet for
CIELCh(36, 21.396, 303.609)
contains.

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Color

CIELCh(36, 21.648, 304.521)

Conversions

Conversions Part 1

Format	Color
Hex	5A4F71
RGB	90, 79, 113
RGB Percent	35%, 31%, 44%
CMY	0.6461, 0.6893, 0.5559
CMYK	0.20, 0.30, 0.00, 0.56
HSL	259°, 18%, 38%
HSV	259°, 30%, 44%
XYZ	10.0463, 9.0082, 16.9041
YIQ	86.1650, -4.3580, 12.9060

Conversions

Conversions Part 2

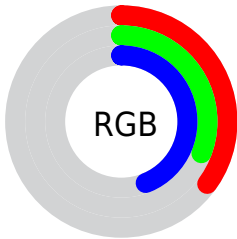
Format	Color
RYB	90, 79, 113
Decimal	5918577
CIELab	36.00, 12.27, -17.84
CIElCh	36, 21.648, 304.521
Yxy	9.0082, 0.2794, 0.2505
Android (android.graphics.Color)	4284108657 (0xFF5A4F71)
YUV	86.1650, 13.2297, 3.3633
Hunter-Lab	30.0136, 7.2243, -12.3834

Details

The CIELCh color **36, 21.648, 304.521** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **46, 20.488, 121.091**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 21.832, 305.013**, and **16, 21.317, 303.685** is the 20% darker color. If you saturate the color by 10%, you get **32, 29.291, 305.270**, and if you desaturate by 10%, it is **40, 14.210, 303.837**.

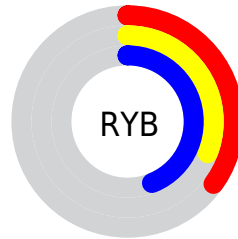
Distribution



Red (35%)

Green (31%)

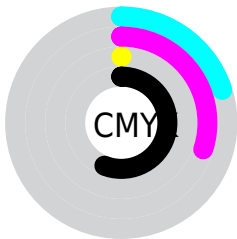
Blue (44%)



Red (35%)

Yellow (31%)

Blue (44%)

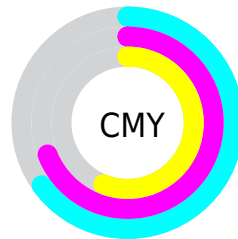


Cyan (20%)

Magenta (30%)

Yellow (0%)

Black (56%)



Cyan (65%)


Magenta (69%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 21.648, 304.521 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, 21.648, 304.521 by changing the saturation by 10% instead.


 36, 21.648,
304.521


 36, 21.648,
304.521

 100, 21.648,
304.521


 26, 21.648,
304.521

 56, 21.648,
304.521


 16, 21.648,
304.521


 66, 21.648,
304.521

 6, 21.648, 304.521

 76, 21.648,
304.521

 0, 21.648, 304.521

 86, 21.648,
304.521

 96, 21.648,
304.521

■ 36, 21.648,
304.521

■ 36, 21.648,
304.521

■ 32, 29.291,
305.270

■ 40, 14.210,
303.837

■ 28, 37.084,
306.072

■ 44, 7.003, 303.224

■ 48, 0.031, 301.482

■ 25, 44.907,
306.894

■ 52, 6.711, 122.217

■ 21, 52.532,
307.678

■ 55, 13.233,
121.798

■ 18, 59.571,
308.328

■ 59, 19.544,
121.435

■ 15, 65.451,
308.710

■ 63, 25.657,
121.120

■ 13, 70.680,
309.073

■ 67, 31.584,
120.848

■ 71, 37.335,
120.613

Harmonies

Complementary

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



36, 21.648, 304.521



46, 20.488, 121.091

Rectangle

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



36, 21.648, 304.521



36, 21.648, 354.521



36, 21.648, 124.521



36, 21.648, 174.521

Sweetspot

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



36, 21.647, 304.521



57, 7.807, 303.177



42, 10.624, 236.622



28, 5.400, 303.244



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



36, 21.647, 304.521



44, 32.634, 305.033



38, 23.620, 320.582



21, 3.888, 303.163



14, 73.655, 309.012



35, 126.647, 308.476

Inverse Universe

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



38, 19.832, 337.365



47, 29.527, 337.921



45, 23.345, 137.788



22, 3.651, 335.811



25, 52.430, 345.756



55, 88.586, 347.116

Previews

White Background



This preview shows how the CIELCh color 36, 21.648, 304.521 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, 21.648, 304.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

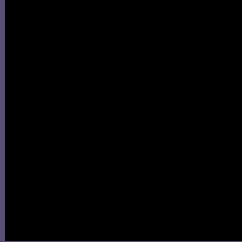
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 21.648, 304.521

Background



This preview shows how black text looks on a background with the CIELCh color 36, 21.648, 304.521.



This preview shows how white text looks on a background with the CIELCh color 36, 21.648, 304.521.

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, 21.648, 304.521

Protanopia

36, 20.608, 284.589

Deuteranopia

36, 18.065, 287.280



Tritanopia
36, 3.834, 303.377

Trichromacy



Original Color
36, 21.648, 304.521

Protanomaly
36, 21.128, 292.576

Deuteranomaly
36, 18.661, 293.179

Tritanomaly
36, 10.288, 305.411

Monochromacy



Original Color
36, 21.648, 304.521

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 7.651, 303.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 21.648, 304.521 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(90, 79, 113)` looks like.

```
.text, #text, p{  
    color:rgb(90, 79, 113)  
}
```

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(90, 79, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 79, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 21.648, 304.521 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(90, 79, 113) }
```

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

```
.border{ border-color:rgb(90, 79, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 79, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 79, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 79, 113);  
box-shadow:4px 4px 4px 4px rgb(90, 79,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 21.648, 304.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 79, 113) }
```

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

```
.background{ background-color: rgb(90, 79,  
113) }
```

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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