

Converting Colors

CIELCh(36, 49.127, 302.598)

Have a look what the booklet for
CIELCh(36, 49.127, 302.598)
contains.

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Color

CIELCh(36, 49.054, 302.557)

Conversions

Conversions Part 1

Format	Color
Hex	584997
RGB	88, 73, 151
RGB Percent	35%, 29%, 59%
CMY	0.6568, 0.7155, 0.4059
CMYK	0.42, 0.52, 0.00, 0.41
HSL	251°, 35%, 44%
HSV	251°, 52%, 59%
XYZ	11.9574, 9.0082, 30.5978
YIQ	86.3770, -16.0980, 27.4380

Conversions

Conversions Part 2

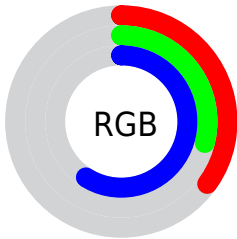
Format	Color
R_{YB}	88, 73, 151
Decimal	5786007
CIE _{Lab}	36.00, 26.40, -41.35
CIE _{LCh}	36, 49.054, 302.557
Yxy	9.0082, 0.2319, 0.1747
Android (android.graphics.Color)	4283976087 (0xFF584997)
YUV	86.3770, 31.8591, 1.4234
Hunter-Lab	30.0136, 18.5907, -39.4346

Details

The CIELCh color $[36, 49.054, 302.557]$ is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be $[60, 43.119, 114.147]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 48.547, 302.447]$, and $[16, 47.985, 302.452]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 59.219, 303.829]$, and if you desaturate by 10%, it is $[41, 38.989, 301.357]$.

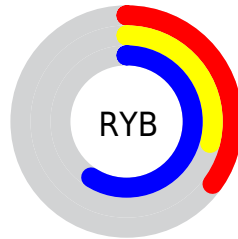
Distribution



Red (35%)

Green (29%)

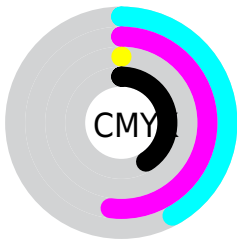
Blue (59%)



Red (35%)

Yellow (29%)

Blue (59%)

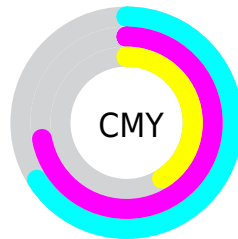


Cyan (42%)

Magenta (52%)

Yellow (0%)

Black (41%)



Cyan (66%)


Magenta (72%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 49.054, 302.557 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, 49.054, 302.557 by changing the saturation by 10% instead.


 36, 49.054,
302.557


 36, 49.054,
302.557

 100, 49.054,
302.557


 26, 49.054,
302.557

 56, 49.054,
302.557

 16, 49.054,
302.557

 66, 49.054,
302.557

 6, 49.054, 302.557

 76, 49.054,
302.557

 0, 49.054, 302.557

 86, 49.054,
302.557

 96, 49.054,
302.557

36, 49.054,
302.557

36, 49.054,
302.557

31, 59.219,
303.829

41, 38.989,
301.357

27, 69.121,
305.083

46, 29.192,
300.268

23, 78.078,
306.166

51, 19.725,
299.302

20, 85.059,
306.867

56, 10.602,
298.457

18, 89.346,
307.273

62, 1.816, 297.721

67, 6.649, 117.092

72, 14.813,
116.545

77, 22.694,
116.074

■ 82, 30.311,
115.668

Harmonies

Complementary

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



36, 49.054, 302.557



60, 43.119, 114.147

Rectangle

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



36, 49.054, 302.557



36, 49.054, 352.557



36, 49.054, 122.557



36, 49.054, 172.557

Sweetspot

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



36, 49.053, 302.558



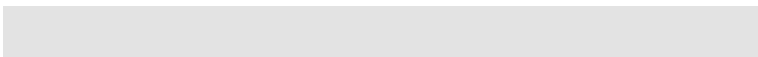
69, 17.447, 298.799



54, 21.658, 220.558



35, 11.914, 298.957



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



36, 49.053, 302.558



40, 74.356, 304.103



40, 50.526, 317.324



30, 4.964, 298.235



16, 84.399, 307.319



0, 5.281, 297.459

Inverse Universe

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



43, 46.643, 333.501



51, 67.121, 334.361



57, 48.567, 132.663



30, 5.209, 330.684



31, 64.131, 337.270



1, 5.541, 330.628

Previews

White Background



This preview shows how the CIELCh color 36, 49.054, 302.557 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, 49.054, 302.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

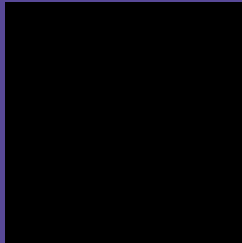
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 49.054, 302.557

Background



This preview shows how black text looks on a background with the CIELCh color 36, 49.054, 302.557.



This preview shows how white text looks on a background with the CIELCh color 36, 49.054, 302.557.

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

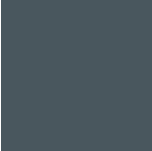
36, 48.468, 302.581

Protanopia

36, 49.099, 286.753

Deuteranopia

36, 39.521, 277.438



Tritanopia
36, 6.932, 237.838

Trichromacy



Original Color
36, 48.468, 302.581

Protanomaly
36, 48.888, 291.329

Deuteranomaly
36, 42.422, 286.510

Tritanomaly
36, 20.539, 289.473

Monochromacy



Original Color
36, 48.468, 302.581

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 18.237, 300.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 49.054, 302.557 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(88, 73, 151)` looks like.

```
.text, #text, p{  
    color:rgb(88, 73, 151)  
}
```

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(88, 73, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 73, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 49.054, 302.557 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(88, 73, 151) }
```

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

```
.border{ border-color:rgb(88, 73, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 73, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 73, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 73, 151);  
box-shadow:4px 4px 4px 4px rgb(88, 73,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 49.054, 302.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 73, 151) }
```

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

```
.background{ background-color: rgb(88, 73,  
151) }
```

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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