

Converting Colors

CIELCh(44, 36.232, 299.537)

Have a look what the booklet for
CIELCh(44, 36.232, 299.537)
contains.

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Color

CIELCh(44, 36.187, 299.720)

Conversions

Conversions Part 1

Format	Color
Hex	69609C
RGB	105, 96, 156
RGB Percent	41%, 38%, 61%
CMY	0.5872, 0.6226, 0.3872
CMYK	0.33, 0.38, 0.00, 0.39
HSL	249°, 24%, 50%
HSV	249°, 38%, 61%
XYZ	16.0842, 13.8382, 33.3938
YIQ	105.5310, -13.8960, 20.5680

Conversions

Conversions Part 2

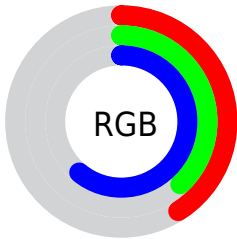
Format	Color
R_{YB}	105, 96, 156
Decimal	6906012
CIE _{Lab}	44.00, 17.94, -31.43
CIE _{LCh}	44, 36.187, 299.720
Yxy	13.8382, 0.2540, 0.2186
Android (android.graphics.Color)	4285096092 (0xFF69609C)
YUV	105.5310, 24.8812, -0.4657
Hunter-Lab	37.1997, 12.0794, -27.1842

Details

The CIELCh color $44, 36.187, 299.720$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 33.039, 113.271$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 36.017, 299.579$, and $24, 35.757, 299.637$ is the 20% darker color. If you saturate the color by 10%, you get $39, 46.450, 301.006$, and if you desaturate by 10%, it is $49, 26.254, 298.575$.

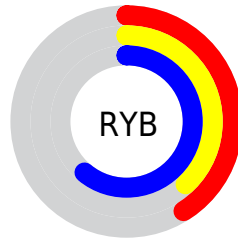
Distribution



Red (41%)

Green (38%)

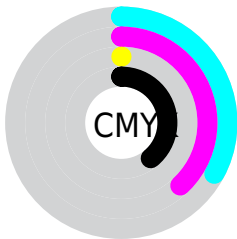
Blue (61%)



Red (41%)

Yellow (38%)

Blue (61%)

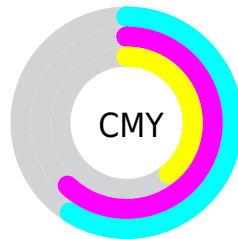


Cyan (33%)

Magenta (38%)

Yellow (0%)

Black (39%)



Cyan (59%)


Magenta (62%)

Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 36.187, 299.720 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 44, 36.187, 299.720 by changing the saturation by 10% instead.


 44, 36.187,
299.720


 44, 36.187,
299.720


 100, 36.187,
299.720


 34, 36.187,
299.720

 64, 36.187,
299.720


 24, 36.187,
299.720

 74, 36.187,
299.720

 14, 36.187,
299.720

 84, 36.187,
299.720

 4, 36.187, 299.720

 94, 36.187,
299.720

 0, 36.187, 299.720

 44, 36.187,

 44, 36.187,

299.720

■ 39, 46.450,
301.006

■ 34, 56.930,
302.405

■ 29, 67.345,
303.845

■ 25, 77.107,
305.187

■ 21, 85.218,
306.217

■ 19, 90.947,
306.838

■ 18, 91.830,
306.960

299.720

■ 49, 26.254,
298.575

■ 55, 16.686,
297.572

■ 60, 7.481, 296.704

■ 65, 1.378, 115.950

■ 71, 9.912, 115.309

■ 76, 18.140,
114.754

■ 81, 26.085,
114.277

■ 86, 33.763,
113.866

■ 91, 41.194,

Harmonies

Complementary

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



44, 36.187, 299.720



62, 33.039, 113.271

Rectangle

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



44, 36.187, 299.720



44, 36.187, 349.720



44, 36.187, 119.720



44, 36.187, 169.720

Sweetspot

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



44, 36.186, 299.720



74, 13.356, 297.021



58, 17.796, 214.786



38, 8.858, 297.123



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



44, 36.186, 299.720



52, 54.697, 300.804



47, 38.095, 315.756



31, 5.085, 296.773



16, 85.914, 307.005



0, 6.545, 295.764

Inverse Universe

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



49, 37.000, 331.158



60, 54.434, 331.688



60, 36.815, 132.345



31, 5.503, 329.361



32, 66.889, 335.107



1, 7.018, 329.764

Previews

White Background



This preview shows how the CIELCh color 44, 36.187, 299.720 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 × Fail

Black Background



This preview shows how the CIE LCh color 44, 36.187, 299.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

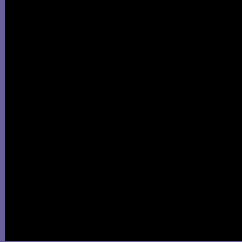
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 36.187, 299.720

Background



This preview shows how black text looks on a background with the CIELCh color 44, 36.187, 299.720.



This preview shows how white text looks on a background with the CIELCh color 44, 36.187, 299.720.

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

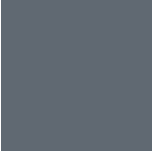
44, 36.187, 299.720

Protanopia

44, 35.537, 285.257

Deuteranopia

44, 31.548, 282.031



Tritanopia
44, 6.355, 257.501

Trichromacy



Original Color
44, 36.187, 299.720

Protanomaly
44, 35.363, 289.946

Deuteranomaly
44, 32.400, 288.414

Tritanomaly
44, 16.214, 288.563

Monochromacy



Original Color
44, 36.187, 299.720

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 13.312, 298.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 36.187, 299.720 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(105, 96, 156)` looks like.

```
.text, #text, p{  
    color:rgb(105, 96, 156)  
}
```

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(105, 96, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 96, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 36.187, 299.720 is called "border". The border property can be set on classes, ids or directly on the HTML element.

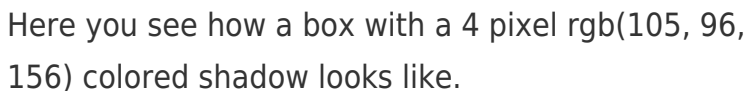
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 96, 156) }
```

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

```
.border{ border-color:rgb(105, 96, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 96, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 96, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 96, 156); box-shadow:4px 4px 4px 4px rgb(105, 96, 156) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 36.187, 299.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 96, 156) }
```

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

```
.background{ background-color: rgb(105, 96,  
156) }
```

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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