

Converting Colors

CIELCh(44, 29.598, 268.271)

Have a look what the booklet for
CIELCh(44, 29.598, 268.271)
contains.

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Color

CIELCh(44, 29.626, 268.380)

Conversions

Conversions Part 1

Format	Color
Hex	3F6B99
RGB	63, 107, 153
RGB Percent	25%, 42%, 60%
CMY	0.7535, 0.5809, 0.4005
CMYK	0.59, 0.30, 0.00, 0.40
HSL	211°, 42%, 42%
HSV	211°, 59%, 60%
XYZ	13.0254, 13.8382, 32.0654
YIQ	99.0880, -40.9900, 4.9780

Conversions

Conversions Part 2

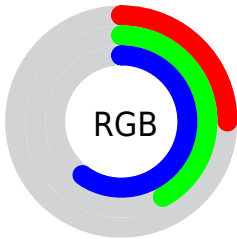
Format	Color
R _Y B	63, 93, 153
Decimal	4156313
CIE Lab	44.00, -0.84, -29.61
CIE LCh	44, 29.626, 268.380
Yxy	13.8382, 0.2210, 0.2348
Android (android.graphics.Color)	4282346393 (0xFF3F6B99)
YUV	99.0880, 26.5786, -31.6492
Hunter-Lab	37.1997, -2.5981, -25.0669

Details

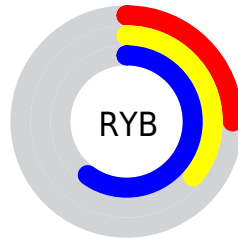
The CIELCh color **44, 29.626, 268.380** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 34.580, 69.245**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 29.857, 268.948**, and **24, 29.436, 270.866** is the 20% darker color. If you saturate the color by 10%, you get **41, 34.427, 271.723**, and if you desaturate by 10%, it is **47, 24.769, 265.500**.

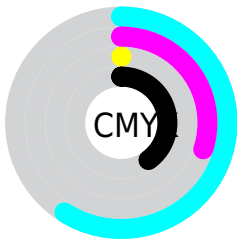
Distribution



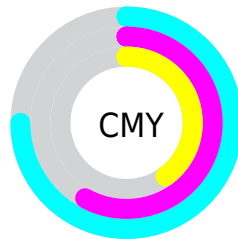
- Red (25%)
- Green (42%)
- Blue (60%)



- Red (25%)
- Yellow (36%)
- Blue (60%)



- Cyan (59%)
- Magenta (30%)
- Yellow (0%)
- Black (40%)



- Cyan (75%)
- Magenta (58%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 29.626, 268.380 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, 29.626, 268.380 by changing the saturation by 10% instead.


 44, 29.626,
268.380

 44, 29.626,
268.380


 100, 29.626,
268.380

 34, 29.626,
268.380

 64, 29.626,
268.380

 24, 29.626,
268.380

 74, 29.626,
268.380

 14, 29.626,
268.380

 84, 29.626,
268.380

 4, 29.626, 268.380

 94, 29.626,
268.380

 0, 29.626, 268.380

 44, 29.626,

 44, 29.626,

268.380

41, 34.427,
271.723

38, 39.220,
275.520

35, 44.071,
279.697

33, 49.068,
283.973

32, 49.647,
284.420

268.380

47, 24.769,
265.500

50, 19.836,
263.051

54, 14.823,
260.982

57, 9.738, 259.240

60, 4.599, 257.790

64, 0.578, 75.955

67, 5.774, 75.335

70, 10.973, 74.430

74, 16.162, 73.632

Harmonies

Complementary

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



44, 29.626, 268.380



50, 34.580, 69.245

Rectangle

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



44, 29.626, 268.380



44, 29.626, 318.380



44, 29.626, 88.380



44, 29.626, 138.380

Sweetspot

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



44, 29.625, 268.380



73, 11.511, 259.158



57, 40.904, 157.272



37, 7.968, 259.593



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



44, 29.625, 268.380



52, 43.888, 273.015



32, 56.582, 299.068



31, 2.930, 257.836



30, 46.269, 284.050



1, 3.199, 257.475

Inverse Universe

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



40, 42.997, 350.945



48, 61.294, 353.659



62, 47.793, 104.823



30, 4.154, 344.956



29, 54.318, 1.980



1, 4.415, 344.693

Previews

White Background



This preview shows how the CIELCh color 44, 29.626, 268.380 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, 29.626, 268.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

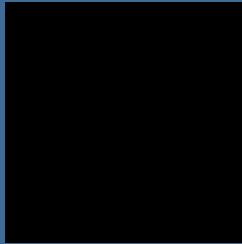
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 29.626, 268.380

Background



This preview shows how black text looks on a background with the CIELCh color 44, 29.626, 268.380.

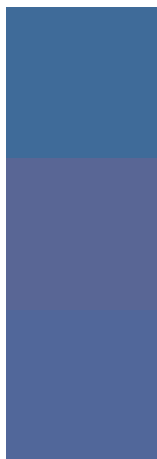


This preview shows how white text looks on a background with the CIELCh color 44, 29.626, 268.380.

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, 29.626, 268.380

Protanopia

44, 28.316, 285.455

Deuteranopia

44, 30.977, 281.662



Tritanopia
44, 20.542, 212.695

Trichromacy



Original Color
44, 29.626, 268.380

Protanomaly
44, 28.275, 277.859

Deuteranomaly
44, 30.825, 277.218

Tritanomaly
44, 21.170, 236.795

Monochromacy



Original Color
44, 29.626, 268.380

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 11.655, 261.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 29.626, 268.380 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(63, 107, 153)` looks like.

```
.text, #text, p{  
    color:rgb(63, 107, 153)  
}
```

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(63, 107, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 107, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 29.626, 268.380 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(63, 107, 153) }
```

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

```
.border{ border-color:rgb(63, 107, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 107, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 107, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 107, 153);  
box-shadow:4px 4px 4px 4px rgb(63, 107,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 29.626, 268.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 107, 153) }
```

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

```
.background{ background-color: rgb(63, 107,  
153) }
```

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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