

Converting Colors

CIELCh(44, 29.707, 258.395)

Have a look what the booklet for
CIELCh(44, 29.707, 258.395)
contains.

CIELCh(44, 29.890, 258.809)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 29.890, 258.809)

Conversions

Conversions Part 1

Format	Color
Hex	2D6D98
RGB	45, 109, 152
RGB Percent	18%, 43%, 60%
CMY	0.8221, 0.5715, 0.4028
CMYK	0.70, 0.28, 0.00, 0.40
HSL	204°, 54%, 39%
HSV	204°, 70%, 60%
XYZ	12.2874, 13.8382, 31.8544
YIQ	94.7660, -51.9470, -0.1950

Conversions

Conversions Part 2

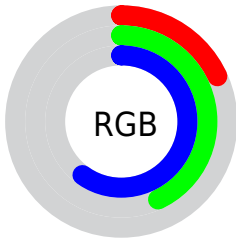
Format	Color
R_{YB}	45, 85, 152
Decimal	2977176
CIE _{Lab}	44.00, -5.80, -29.32
CIE _{LCh}	44, 29.890, 258.809
Yxy	13.8382, 0.2119, 0.2387
Android (android.graphics.Color)	4281167256 (0xFF2D6D98)
YUV	94.7660, 28.2164, -43.6448
Hunter-Lab	37.1997, -6.1393, -24.7306

Details

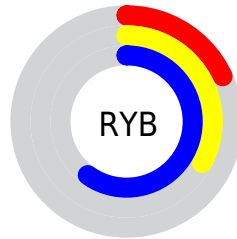
The CIELCh color **44, 29.890, 258.809** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **44, 42.041, 57.648**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 30.181, 259.710**, and **25, 27.848, 267.190** is the 20% darker color. If you saturate the color by 10%, you get **42, 33.283, 262.774**, and if you desaturate by 10%, it is **46, 26.298, 255.416**.

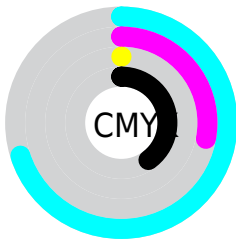
Distribution



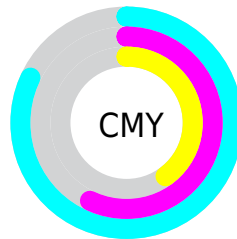
- Red (18%)
- Green (43%)
- Blue (60%)



- Red (18%)
- Yellow (33%)
- Blue (60%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (40%)



- Cyan (82%)
- Magenta (57%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 29.890, 258.809 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, 29.890, 258.809 by changing the saturation by 10% instead.


 44, 29.890,
258.809


 44, 29.890,
258.809


 100, 29.890,
258.809

 34, 29.890,
258.809

 64, 29.890,
258.809


 24, 29.890,
258.809

 74, 29.890,
258.809

 14, 29.890,
258.809

 84, 29.890,
258.809

 4, 29.890, 258.809

 94, 29.890,
258.809

 0, 29.890, 258.809

 44, 29.890,

 44, 29.890,

258.809

258.809

■ 42, 33.283,
262.774

■ 46, 26.298,
255.416

■ 39, 36.559,
267.269

■ 49, 22.468,
252.567

■ 37, 39.811,
271.843

■ 52, 18.391,
250.205

■ 54, 14.086,
248.259

■ 57, 9.580, 246.663

■ 60, 4.908, 245.371

■ 63, 0.106, 247.613

■ 66, 4.796, 63.202

■ 69, 9.767, 62.470

Harmonies

Complementary

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



44, 29.890, 258.809



44, 42.041, 57.648

Rectangle

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



44, 29.890, 258.809



44, 29.890, 308.809



44, 29.890, 78.809



44, 29.890, 128.809

Sweetspot

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



44, 29.889, 258.810



73, 12.352, 246.840



56, 51.598, 150.751



37, 8.306, 247.220



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, 29.889, 258.810



53, 42.755, 265.180



29, 61.200, 298.103



31, 2.731, 245.261



34, 37.274, 271.443



2, 2.999, 245.393

Inverse Universe

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



37, 51.881, 345.986



45, 70.177, 348.951



58, 50.884, 98.599



30, 4.476, 339.381



30, 56.175, 352.341



1, 4.761, 339.211

Previews

White Background



This preview shows how the CIELCh color 44, 29.890, 258.809 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, 29.890, 258.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

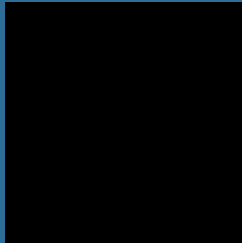
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 29.890, 258.809

Background



This preview shows how black text looks on a background with the CIELCh color 44, 29.890, 258.809.

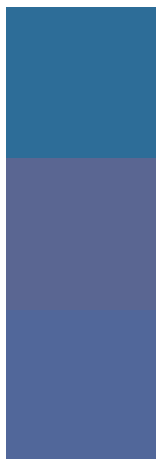


This preview shows how white text looks on a background with the CIELCh color 44, 29.890, 258.809.

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, 29.890, 258.809

Protanopia

44, 26.527, 285.201

Deuteranopia

44, 30.977, 281.662



Tritanopia
44, 25.122, 209.381

Trichromacy



Original Color
44, 29.890, 258.809

Protanomaly
44, 27.027, 272.816

Deuteranomaly
44, 30.179, 272.856

Tritanomaly
44, 24.700, 228.343

Monochromacy



Original Color
44, 29.890, 258.809

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 12.554, 249.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 29.890, 258.809 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(45, 109, 152)` looks like.

```
.text, #text, p{  
    color:rgb(45, 109, 152)  
}
```

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(45, 109, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 109, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 29.890, 258.809 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(45, 109, 152) }
```

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

```
.border{ border-color:rgb(45, 109, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 109, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 109, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 109, 152);  
box-shadow:4px 4px 4px 4px rgb(45, 109,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 29.890, 258.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 109, 152) }
```

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

```
.background{ background-color: rgb(45, 109,  
152) }
```

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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