

Converting Colors

CIELCh(44, 17.967, 257.428)

Have a look what the booklet for
CIELCh(44, 17.967, 257.428)
contains.

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Color

CIELCh(44, 18.187, 258.332)

Conversions

Conversions Part 1

Format	Color
Hex	4D6B85
RGB	77, 107, 133
RGB Percent	30%, 42%, 52%
CMY	0.6973, 0.5797, 0.4777
CMYK	0.42, 0.20, 0.00, 0.48
HSL	208°, 27%, 41%
HSV	208°, 42%, 52%
XYZ	12.5996, 13.8382, 24.2670
YIQ	100.9940, -26.2260, 1.7260

Conversions

Conversions Part 2

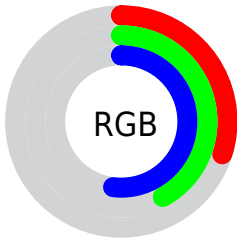
Format	Color
R _Y B	77, 97, 133
Decimal	5073797
CIE Lab	44.00, -3.68, -17.81
CIE LCh	44, 18.187, 258.332
Yxy	13.8382, 0.2485, 0.2729
Android (android.graphics.Color)	4283263877 (0xFF4D6B85)
YUV	100.9940, 15.7790, -21.0427
Hunter-Lab	37.1997, -4.6416, -12.6377

Details

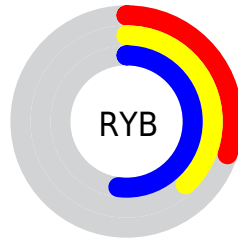
The CIELCh color **44, 18.187, 258.332** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 20.981, 66.687**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 18.232, 258.368**, and **24, 17.934, 257.466** is the 20% darker color. If you saturate the color by 10%, you get **41, 22.220, 260.838**, and if you desaturate by 10%, it is **47, 14.023, 256.226**.

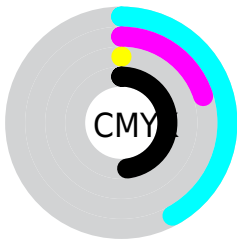
Distribution



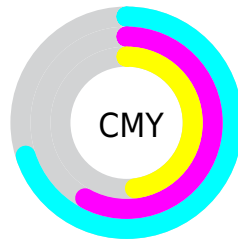
- Red (30%)
- Green (42%)
- Blue (52%)



- Red (30%)
- Yellow (38%)
- Blue (52%)



- Cyan (42%)
- Magenta (20%)
- Yellow (0%)
- Black (48%)



- Cyan (70%)
- Magenta (58%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 18.187, 258.332 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, 18.187, 258.332 by changing the saturation by 10% instead.


 44, 18.187,
258.332


 44, 18.187,
258.332


 100, 18.187,
258.332


 34, 18.187,
258.332

 64, 18.187,
258.332


 24, 18.187,
258.332

 74, 18.187,
258.332

 14, 18.187,
258.332


 84, 18.187,
258.332

 4, 18.187, 258.332

 94, 18.187,
258.332

 0, 18.187, 258.332

 44, 18.187,

 44, 18.187,

258.332

258.332

■ 41, 22.220,
260.838

■ 47, 14.023,
256.226

■ 39, 26.125,
263.801

■ 49, 9.745, 254.465

■ 36, 29.919,
267.256

■ 52, 5.371, 253.002

■ 55, 0.923, 252.011

■ 34, 33.648,
271.197

■ 58, 3.578, 70.547

■ 32, 37.380,
275.550

■ 61, 8.113, 69.684

■ 64, 12.666, 68.916

■ 30, 40.449,
278.942

■ 66, 17.223, 68.246

■ 69, 21.772, 67.659

Harmonies

Complementary

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



44, 18.187, 258.332



46, 20.981, 66.687

Rectangle

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



44, 18.187, 258.332



44, 18.187, 308.332



44, 18.187, 78.332



44, 18.187, 128.332

Sweetspot

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



44, 18.186, 258.331



66, 7.182, 253.169



51, 28.082, 157.140



34, 4.996, 253.436



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



44, 18.186, 258.331



54, 26.513, 260.589



36, 33.008, 293.754



27, 2.511, 252.631



29, 39.673, 278.822



0, 0.606, 251.473

Inverse Universe

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



40, 28.853, 345.645



49, 42.148, 346.777



54, 30.015, 104.003



26, 3.804, 342.442



27, 52.018, 357.427



0, 0.902, 341.777

Previews

White Background



This preview shows how the CIE LCh color 44, 18.187, 258.332 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, 18.187, 258.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

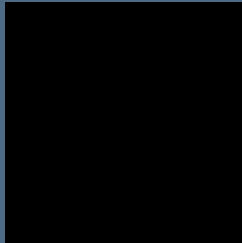
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

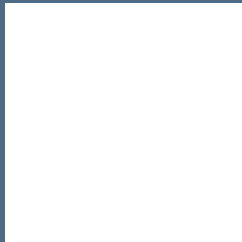
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 18.187, 258.332

Background



This preview shows how black text looks on a background with the CIELCh color 44, 18.187, 258.332.

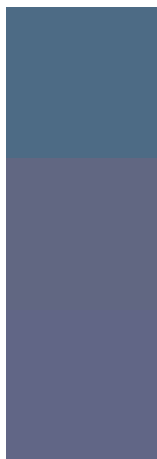


This preview shows how white text looks on a background with the CIELCh color 44, 18.187, 258.332.

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, 18.187, 258.332

Protanopia

44, 16.272, 284.730

Deuteranopia

44, 19.230, 287.532



Tritanopia
44, 14.028, 220.838

Trichromacy



Original Color
44, 18.187, 258.332

Protanomaly
44, 16.275, 273.174

Deuteranomaly
44, 18.464, 277.243

Tritanomaly
44, 14.607, 236.596

Monochromacy



Original Color
44, 18.187, 258.332

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.269, 255.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 18.187, 258.332 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(77, 107, 133)` looks like.

```
.text, #text, p{  
    color:rgb(77, 107, 133)  
}
```

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(77, 107, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 107, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 18.187, 258.332 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(77, 107, 133) }
```

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

```
.border{ border-color:rgb(77, 107, 133) }
```

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

Here you see how a box with a 4 pixel rgb(77, 107, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 107, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 107, 133);  
box-shadow:4px 4px 4px 4px rgb(77, 107,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 18.187, 258.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 107, 133) }
```

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

```
.background{ background-color: rgb(77, 107,  
133) }
```

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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