

Converting Colors

CIELCh(44, 23.833, 196.802)

Have a look what the booklet for
CIELCh(44, 23.833, 196.802)
contains.

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Color

CIELCh(44, 23.858, 196.800)

Conversions

Conversions Part 1

Format	Color
Hex	267373
RGB	38, 115, 115
RGB Percent	15%, 45%, 45%
CMY	0.8523, 0.5501, 0.5501
CMYK	0.67, 0.00, 0.00, 0.55
HSL	180°, 51%, 30%
HSV	180°, 67%, 45%
XYZ	9.9668, 13.8382, 18.2859
YIQ	91.9770, -45.8920, -16.3240

Conversions

Conversions Part 2

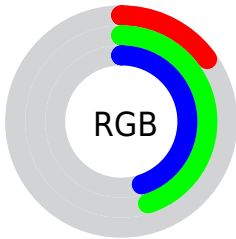
Format	Color
R_{YB}	38, 77, 115
Decimal	2519923
CIE _{Lab}	44.00, -22.84, -6.90
CIE _{LCh}	44, 23.858, 196.800
Yxy	13.8382, 0.2368, 0.3288
Android (android.graphics.Color)	4280710003 (0xFF267373)
YUV	91.9770, 11.3503, -47.3378
Hunter-Lab	37.1997, -17.2748, -3.1048

Details

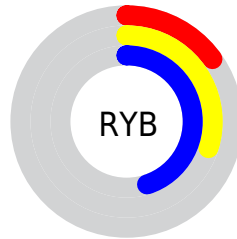
The CIELCh color **44, 23.858, 196.800** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 38.610, 28.568**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 23.838, 197.405**, and **25, 18.829, 198.467** is the 20% darker color. If you saturate the color by 10%, you get **44, 25.603, 196.616**, and if you desaturate by 10%, it is **44, 21.565, 197.041**.

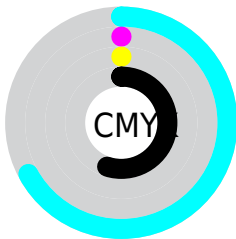
Distribution



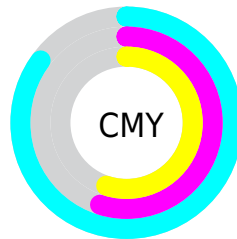
- Red (15%)
- Green (45%)
- Blue (45%)



- Red (15%)
- Yellow (30%)
- Blue (45%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (55%)



- Cyan (85%)
- Magenta (55%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 23.858, 196.800 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, 23.858, 196.800 by changing the saturation by 10% instead.

 44, 23.858,
196.800

 44, 23.858,
196.800


 100, 23.858,
196.800

 34, 23.858,
196.800

 64, 23.858,
196.800

 24, 23.858,
196.800

 74, 23.858,
196.800

 14, 23.858,
196.800

 84, 23.858,
196.800

 4, 23.858, 196.800

 94, 23.858,
196.800

 0, 23.858, 196.800

 44, 23.858,

 44, 23.858,

196.800

■ 44, 25.603,
196.616

■ 44, 26.804,
196.492

■ 43, 27.583,
196.411

■ 43, 27.794,
196.390

196.800

■ 44, 21.565,
197.041

■ 45, 18.746,
197.343

■ 45, 15.446,
197.703

■ 46, 11.723,
198.118

■ 47, 7.643, 198.588

■ 48, 3.273, 199.146

■ 49, 1.321, 19.281

■ 50, 6.082, 20.051

■ 51, 10.958, 20.650

Harmonies

Complementary

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



44, 23.858, 196.800



27, 38.610, 28.568

Rectangle

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



44, 23.858, 196.800



44, 23.858, 246.800



44, 23.858, 16.800



44, 23.858, 66.800

Sweetspot

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



44, 23.858, 196.799



59, 10.857, 198.425



42, 52.833, 138.789



30, 7.311, 198.324



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 23.858, 196.799



56, 31.677, 196.536



31, 26.176, 269.288



23, 2.511, 199.032



45, 28.674, 196.390



89, 48.970, 196.390

Inverse Universe

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



30, 52.135, 327.579



36, 71.563, 327.990



36, 31.458, 67.335



22, 4.583, 324.886



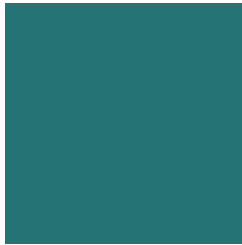
28, 66.123, 328.233



59, 112.928, 328.233

Previews

White Background



This preview shows how the CIELCh color 44, 23.858, 196.800 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 CIELCh color 44, 23.858, 196.800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

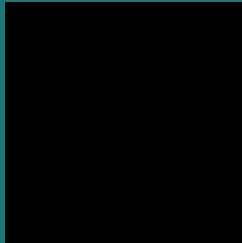
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 23.858, 196.800

Background



This preview shows how black text looks on a background with the CIELCh color 44, 23.858, 196.800.



This preview shows how white text looks on a background with the CIELCh color 44, 23.858, 196.800.

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, 23.858, 196.800

Protanopia

44, 2.443, 300.121

Deuteranopia

44, 10.517, 304.538



Tritanopia
44, 22.326, 211.256

Trichromacy



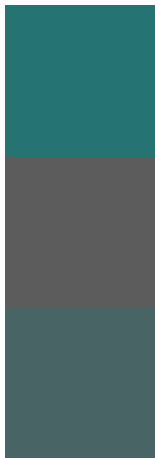
Original Color
44, 23.858, 196.800

Protanomaly
43, 10.324, 208.390

Deuteranomaly
43, 10.864, 236.294

Tritanomaly
44, 22.735, 206.208

Monochromacy



Original Color
44, 23.858, 196.800

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 10.775, 198.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 23.858, 196.800 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(38, 115, 115)` looks like.

```
.text, #text, p{  
    color:rgb(38, 115, 115)  
}
```

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(38, 115, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 115, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 23.858, 196.800 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(38, 115, 115) }
```

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

```
.border{ border-color:rgb(38, 115, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 115, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 115, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 115, 115);  
box-shadow:4px 4px 4px 4px rgb(38, 115,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 23.858, 196.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 115, 115) }
```

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

```
.background{ background-color: rgb(38, 115,  
115) }
```

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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