

Converting Colors

CIELCh(33, 44.930, 0.305)

Have a look what the booklet for
CIELCh(33, 44.930, 0.305) contains.

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Color

CIELCh(33, 44.883, 0.266)

Conversions

Conversions Part 1

Format	Color
Hex	8B284F
RGB	139, 40, 79
RGB Percent	55%, 16%, 31%
CMY	0.4557, 0.8439, 0.6909
CMYK	0.00, 0.71, 0.43, 0.46
HSL	336°, 55%, 35%
HSV	336°, 71%, 54%
XYZ	12.7704, 7.5373, 8.1462
YIQ	74.0470, 46.4850, 33.1170

Conversions

Conversions Part 2

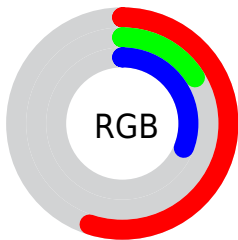
Format	Color
R_{YB}	139, 40, 79
Decimal	9119823
CIE Lab	33.00, 44.88, 0.21
CIE LCh	33, 44.883, 0.266
Yxy	7.5373, 0.4488, 0.2649
Android (android.graphics.Color)	4287309903 (0xFF8B284F)
YUV	74.0470, 2.4418, 56.9638
Hunter-Lab	27.4541, 34.9852, 1.6252

Details

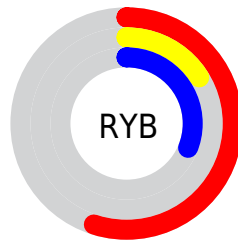
The CIELCh color **33, 44.883, 0.266** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **52, 40.072, 161.306**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 44.821, 0.247**, and **16, 37.650, 5.629** is the 20% darker color. If you saturate the color by 10%, you get **31, 48.995, 3.319**, and if you desaturate by 10%, it is **36, 39.690, 357.842**.

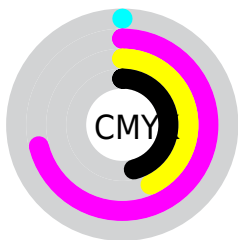
Distribution



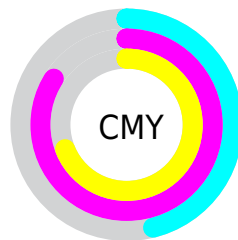
- Red (55%)
- Green (16%)
- Blue (31%)



- Red (55%)
- Yellow (16%)
- Blue (31%)



- Cyan (0%)
- Magenta (71%)
- Yellow (43%)
- Black (46%)



- Cyan (46%)
- Magenta (84%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 44.883, 0.266 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 33, 44.883, 0.266 by changing the saturation by 10% instead.

■ 33, 44.883, 0.266

■ 33, 44.883, 0.266

■ 100, 44.883, 0.266

■ 23, 44.883, 0.266

■ 53, 44.883, 0.266

■ 13, 44.883, 0.266

■ 63, 44.883, 0.266

■ 3, 44.883, 0.266

■ 73, 44.883, 0.266

■ 0, 44.883, 0.266

■ 83, 44.883, 0.266

■ 93, 44.883, 0.266

■ 33, 44.883, 0.266

■ 33, 44.883, 0.266

■ 31, 48.995, 3.319

■ 36, 39.690,
357.842

■ 30, 51.882, 7.157

29, 53.875, 10.887

39, 33.709,
355.888

42, 27.247,
354.281

45, 20.566,
352.929

49, 13.861,
351.765

53, 7.259, 350.733

57, 0.838, 349.479

61, 5.362, 169.144

65, 11.327,
168.384

Harmonies

Complementary

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



33, 44.883, 0.266



52, 40.072, 161.306

Rectangle

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



33, 44.883, 0.266



33, 44.883, 50.266



33, 44.883, 180.266



33, 44.883, 230.266

Sweetspot

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



33, 44.881, 0.267



63, 16.961, 351.780



29, 62.480, 315.256



32, 11.603, 352.048



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



33, 44.881, 0.267



40, 62.031, 5.739



34, 45.603, 35.077



27, 3.582, 350.518



27, 52.101, 10.641



0, 1.639, 349.767

Inverse Universe

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



33, 44.881, 0.267



40, 62.031, 5.739



49, 25.783, 210.146



27, 3.582, 350.518



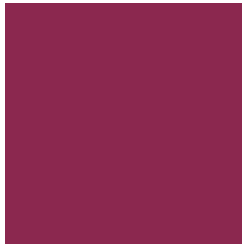
27, 52.101, 10.641



0, 1.639, 349.767

Previews

White Background



This preview shows how the CIE LCh color 33, 44.883, 0.266 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 33, 44.883, 0.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33, 44.883, 0.266

Background



This preview shows how black text looks on a background with the CIELCh color 33, 44.883, 0.266.



This preview shows how white text looks on a background with the CIELCh color 33, 44.883, 0.266.

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

33, 44.883, 0.266

Protanopia

34, 15.151, 285.603

Deuteranopia

33, 5.535, 33.176



Tritanopia
33, 42.993, 26.205

Trichromacy



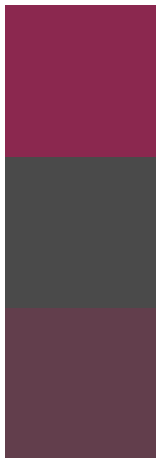
Original Color
33, 44.883, 0.266

Protanomaly
32, 23.177, 328.827

Deuteranomaly
32, 20.677, 0.348

Tritanomaly
33, 42.895, 16.848

Monochromacy



Original Color
33, 44.883, 0.266

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 18.121, 353.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 44.883, 0.266 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(139, 40, 79)` looks like.

```
.text, #text, p{  
    color:rgb(139, 40, 79)  
}
```

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(139, 40, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 40, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 44.883, 0.266 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(139, 40, 79) }
```

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

```
.border{ border-color:rgb(139, 40, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 40, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 40, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 40, 79);  
box-shadow:4px 4px 4px 4px rgb(139, 40,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 44.883, 0.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 40, 79) }
```

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

```
.background{ background-color: rgb(139, 40,  
79) }
```

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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