

Converting Colors

CIELCh(33, 9.269, 218.640)

Have a look what the booklet for
CIELCh(33, 9.269, 218.640) contains.

CIELCh(33, 9.044, 218.844)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(33, 9.044, 218.844)

Conversions

Conversions Part 1

Format	Color
Hex	3B5156
RGB	59, 81, 86
RGB Percent	23%, 32%, 34%
CMY	0.7676, 0.6813, 0.6617
CMYK	0.31, 0.06, 0.00, 0.66
HSL	191°, 19%, 29%
HSV	191°, 31%, 34%
XYZ	6.4708, 7.5373, 9.9734
YIQ	74.9920, -14.7170, -3.1090

Conversions

Conversions Part 2

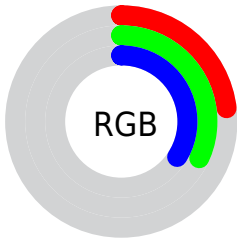
Format	Color
RYB	59, 71, 86
Decimal	3887446
CIELab	33.00, -7.04, -5.67
CIELCh	33, 9.044, 218.844
Yxy	7.5373, 0.2698, 0.3143
Android (android.graphics.Color)	4282077526 (0xFF3B5156)
YUV	74.9920, 5.4269, -14.0250
Hunter-Lab	27.4541, -5.9730, -2.3207

Details

The CIELCh color **33, 9.044, 218.844** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 11.039, 37.720**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 9.113, 221.159**, and **13, 8.883, 221.822** is the 20% darker color. If you saturate the color by 10%, you get **32, 11.502, 219.495**, and if you desaturate by 10%, it is **34, 6.350, 218.375**.

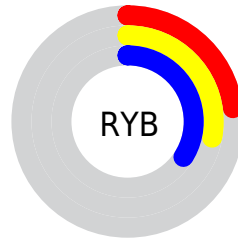
Distribution



Red (23%)

Green (32%)

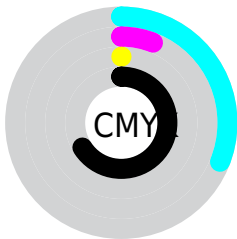
Blue (34%)



Red (23%)

Yellow (28%)

Blue (34%)

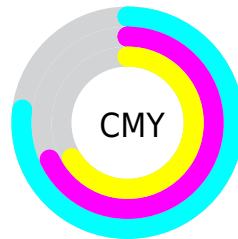


Cyan (31%)

Magenta (6%)

Yellow (0%)

Black (66%)



Cyan (77%)

Magenta (68%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 9.044, 218.844 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, 9.044, 218.844 by changing the saturation by 10% instead.

■ 33, 9.044, 218.844

■ 33, 9.044, 218.844

■ 100, 9.044,
218.844

■ 23, 9.044, 218.844

■ 53, 9.044, 218.844

■ 13, 9.044, 218.844

■ 63, 9.044, 218.844

■ 3, 9.044, 218.844

■ 73, 9.044, 218.844

■ 0, 9.044, 218.844

■ 83, 9.044, 218.844

■ 93, 9.044, 218.844

■ 33, 9.044, 218.844

■ 33, 9.044, 218.844

■ 32, 11.502,
219.495

■ 34, 6.350, 218.375

■ 31, 13.683,
220.383

■ 35, 3.459, 218.086

■ 30, 15.550,
221.552

■ 37, 0.410, 218.516

■ 38, 2.764, 37.565

■ 29, 17.075,
223.059

■ 39, 6.035, 37.581

■ 28, 18.245,
224.965

■ 40, 9.376, 37.614

■ 42, 12.769, 37.682

■ 28, 19.085,
227.301

■ 43, 16.195, 37.780

■ 27, 19.780,
229.306

■ 45, 19.642, 37.902

Harmonies

Complementary

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



33, 9.044, 218.844



29, 11.039, 37.720

Rectangle

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



33, 9.044, 218.844



33, 9.044, 268.844



33, 9.044, 38.844



33, 9.044, 88.844

Sweetspot

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



33, 9.044, 218.839



46, 3.436, 218.053



34, 18.124, 147.815



23, 2.357, 218.067



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 9.044, 218.839



42, 13.249, 219.344



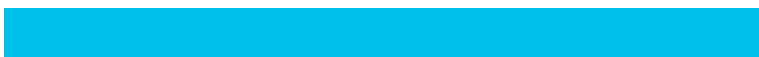
29, 12.240, 276.784



17, 1.729, 218.047



34, 23.021, 230.354



72, 41.046, 232.943

Inverse Universe

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



29, 18.167, 331.825



36, 27.285, 332.315



33, 12.247, 88.777



16, 3.241, 330.476



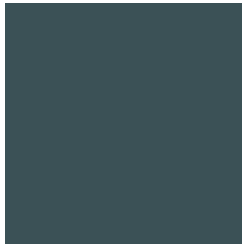
23, 53.209, 336.740



53, 93.748, 337.434

Previews

White Background



This preview shows how the CIELCh color 33, 9.044, 218.844 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, 9.044, 218.844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

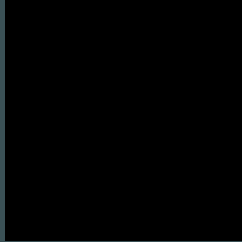
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 9.044, 218.844

Background



This preview shows how black text looks on a background with the CIELCh color 33, 9.044, 218.844.



This preview shows how white text looks on a background with the CIELCh color 33, 9.044, 218.844.

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, 9.044, 218.844

Protanopia

33, 4.417, 290.957

Deuteranopia

33, 7.897, 306.736



Tritanopia
33, 9.117, 227.550

Trichromacy



Original Color

33, 9.044, 218.844

Protanomaly

33, 4.938, 249.240

Deuteranomaly

33, 6.586, 273.317

Tritanomaly

33, 8.895, 223.713

Monochromacy



Original Color

33, 9.044, 218.844

Achromatopsia

32, 0.005, 296.813

Achromatomaly

32, 3.561, 219.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 9.044, 218.844 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(59, 81, 86)` looks like.

```
.text, #text, p{  
    color:rgb(59, 81, 86)  
}
```

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(59, 81, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 81, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 9.044, 218.844 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(59, 81, 86) }
```

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

```
.border{ border-color:rgb(59, 81, 86) }
```

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

Here you see how a box with a 4 pixel rgb(59, 81, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 81, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 81, 86);  
box-shadow:4px 4px 4px 4px rgb(59, 81, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 9.044, 218.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 81, 86) }
```

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

```
.background{ background-color: rgb(59, 81,  
86) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor