

Converting Colors

XYZ(29.2451, 43.9291, 9.2860)

Have a look what the booklet for
XYZ(29.2451, 43.9291, 9.2860)
contains.

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Color

**XYZ(29.3298, 44.0374,
9.3371)**

Conversions

Conversions Part 1

Format	Color
Hex	83C32C
RGB	131, 195, 44
RGB Percent	51%, 76%, 17%
CMY	0.4863, 0.2353, 0.8274
CMYK	0.33, 0.00, 0.77, 0.24
HSL	85°, 63%, 47%
HSV	85°, 77%, 76%
XYZ	29.3298, 44.0374, 9.3371
YIQ	158.6500, 10.3270, -60.5290

Conversions

Conversions Part 2

Format	Color
RYB	44, 195, 108
Decimal	8635180
CIELab	72.25, -42.52, 63.97
CIELCh	72, 76.811, 123.616
Yxy	44.0374, 0.3546, 0.5325
Android (android.graphics.Color)	4286825260 (0xFF83C32C)
YUV	158.6500, -56.5224, -24.2490
Hunter-Lab	66.3607, -37.2386, 38.1102

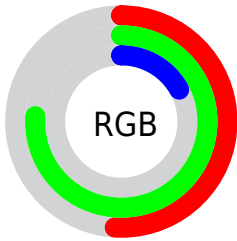
Details

The XYZ color **29.3298, 44.0374, 9.3371** is a dark color, and the websafe version is hex **99CC33**.

The color can be described as dark muted chartreuse. A complement of this color would be **16.9375, 8.9310, 52.4635**, and the grayscale version is **33.0426, 34.7634, 37.8573**.

A 20% lighter version of the original color is **57.9477, 81.2715, 25.2032**, and **12.3489, 20.5056, 3.3071** is the 20% darker color. If you saturate the color by 10%, you get **27.8166, 43.2916, 7.7820**, and if you desaturate by 10%, it is **31.1193, 44.9086, 11.8053**.

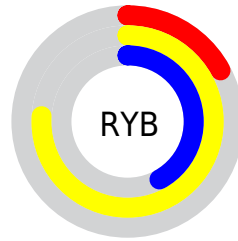
Distribution



Red (51%)

Green (76%)

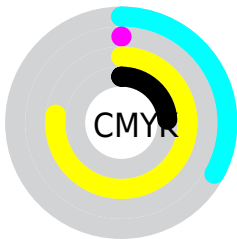
Blue (17%)



Red (17%)

Yellow (76%)

Blue (42%)

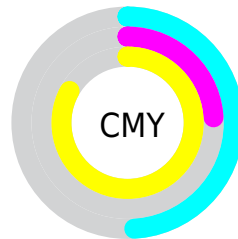


Cyan (33%)

Magenta (0%)

Yellow (77%)

Black (24%)



Cyan (49%)


Magenta (24%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3298, 44.0374, 9.3371 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 XYZ color 29.3298, 44.0374, 9.3371 by changing the saturation by 10% instead.


 29.3298, 44.0374,
9.3371


 29.3298, 44.0374,
9.3371


290.7341,
362.8609, 196.1828


 19.4760, 30.6999,
4.8619


 57.9946, 81.2740,
25.1290

 12.1208, 20.3704,
2.1091


 77.5363, 105.9419,
37.2827


 6.8988, 12.6646,
0.6212


 101.0380,
135.1555, 52.8331

 3.4446, 7.1980,
0.0000

 128.8651,
169.2990, 72.1986

 1.3930, 3.5862,
0.0000

 161.3829,
208.7569, 95.7978

 0.2512, 1.4449,
0.0000

 198.9567,

 0.0000, 0.2495,

253.9136, 124.0492

0.0000

241.9520,
305.1534, 157.3714

■ 0.0000, 0.0000,
0.0000

■ 29.3298, 44.0374,
9.3371

■ 29.3298, 44.0374,
9.3371

■ 27.8166, 43.2916,
7.7820

■ 31.1193, 44.9086,
11.8053

■ 26.5440, 42.6520,
6.9774

■ 33.2058, 45.9091,
15.2963

■ 26.2423, 42.4997,
6.8201

■ 35.6107, 47.0493,
19.9073

■ 38.3523, 48.3367,
25.7236

■ 41.4472, 49.7783,
32.8219

■ 44.9110, 51.3805,
41.2728

■ 48.7580, 53.1492,
51.1417

■ 53.0016, 55.0901,
62.4896

■ 57.6547, 57.2085,
75.3743

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.2773, 44.0374, 5.8582



29.3298, 44.0374, 9.3371



23.0033, 44.0374, 22.3781

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.3298, 44.0374, 9.3371



31.5698, 44.0374, 146.8515



72.6024, 44.0374, 43.5135

Complementary

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



29.3298, 44.0374, 9.3371



16.9375, 8.9310, 52.4635

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9265, 44.0374, 87.9976



29.3298, 44.0374, 9.3371



43.4759, 44.0374, 163.0602

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.3298, 44.0374, 9.3371



24.0931, 44.0374, 100.4323



57.5210, 44.0374, 137.4027



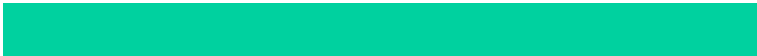
66.7203, 44.0374, 17.9364

Rectangle

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



29.3298, 44.0374, 9.3371



21.3767, 44.0374, 40.3201



57.5210, 44.0374, 137.4027



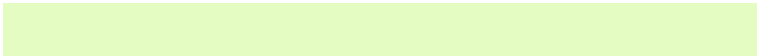
72.4485, 44.0374, 56.4847

Sweetspot

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



29.3308, 44.0393, 9.3381



76.6765, 90.2837, 64.6520



28.2111, 22.2838, 5.1978



16.3061, 19.5463, 12.9928



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.3308, 44.0393, 9.3381



48.1825, 76.7121, 12.8257



21.6349, 40.0719, 8.9779



10.4876, 11.5388, 10.7363



17.1529, 27.6715, 4.4371



0.8185, 1.2355, 0.1953

Inverse Universe

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



16.9375, 8.9310, 52.4635



25.2147, 11.2739, 93.3169



30.1428, 15.7386, 53.0815



9.9240, 9.9520, 12.6827



8.7928, 3.7933, 33.8254



0.4585, 0.2044, 1.4652

Previews

White Background



This preview shows how the XYZ color 29.3298, 44.0374, 9.3371 looks on a white 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

Black Background



This preview shows how the XYZ color 29.3298, 44.0374, 9.3371 looks on a black 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

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

XYZ 29.3298, 44.0374, 9.3371

Background



This preview shows how black text looks on a background with the XYZ color 29.3298, 44.0374, 9.3371.



This preview shows how white text looks on a background with the XYZ color 29.3298, 44.0374,

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

29.3298, 44.0374, 9.3371

Protanopia

39.3771, 43.5965, 8.2590

Deuteranopia

44.3513, 43.2951, 9.7606



Tritanopia

39.2694, 43.9254, 58.6333

Trichromacy



Original Color

29.3298, 44.0374, 9.3371

Protanomaly

34.9963, 43.4397, 8.6380

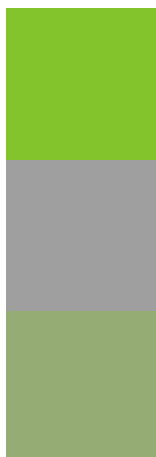
Deuteranomaly

37.0810, 42.3836, 9.4753

Tritanomaly

33.9057, 43.3034, 31.7707

Monochromacy



Original Color

29.3298, 44.0374, 9.3371

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.3578, 37.1790, 22.4059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3298, 44.0374, 9.3371 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(131, 195, 44)` looks like.

```
.text, #text, p{  
    color:rgb(131, 195, 44)  
}
```

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(131, 195, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 195, 44) }
```

Border

The CSS property to change the border of an element to XYZ 29.3298, 44.0374, 9.3371 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(131, 195, 44) }
```


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

```
.border{ border-color:rgb(131, 195, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 195, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 195, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 195, 44);  
box-shadow:4px 4px 4px 4px rgb(131, 195,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3298, 44.0374, 9.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 195, 44) }
```

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

```
.background{ background-color: rgb(131,  
195, 44) }
```

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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