

Converting Colors

XYZ(29.1004, 43.4463, 9.7336)

Have a look what the booklet for
XYZ(29.1004, 43.4463, 9.7336)
contains.

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Color

**XYZ(29.2062, 43.6306,
9.7880)**

Conversions

Conversions Part 1

Format	Color
Hex	83C231
RGB	131, 194, 49
RGB Percent	51%, 76%, 19%
CMY	0.4863, 0.2392, 0.8078
CMYK	0.32, 0.00, 0.75, 0.24
HSL	86°, 60%, 48%
HSV	86°, 75%, 76%
XYZ	29.2062, 43.6306, 9.7880
YIQ	158.6330, 8.9970, -58.4510

Conversions

Conversions Part 2

Format	Color
RYB	49, 194, 112
Decimal	8634929
CIELab	71.98, -41.83, 62.10
CIELCh	72, 74.870, 123.962
Yxy	43.6306, 0.3535, 0.5281
Android (android.graphics.Color)	4286825009 (0xFF83C231)
YUV	158.6330, -54.0491, -24.2341
Hunter-Lab	66.0535, -36.6680, 37.4517

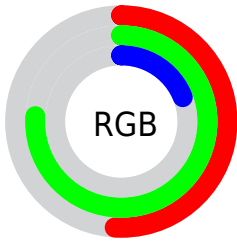
Details

The XYZ color **29.2062, 43.6306, 9.7880** 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 **17.5201, 9.5378, 51.9590**, and the grayscale version is **33.0242, 34.7440, 37.8362**.

A 20% lighter version of the original color is **57.7860, 80.7056, 25.8967**, and **12.2797, 20.2520, 3.2618** is the 20% darker color. If you saturate the color by 10%, you get **27.6290, 42.8565, 8.0180**, and if you desaturate by 10%, it is **31.0679, 44.5338, 12.4926**.

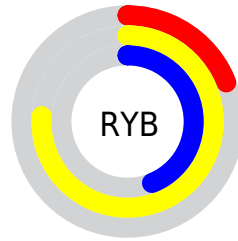
Distribution



Red (51%)

Green (76%)

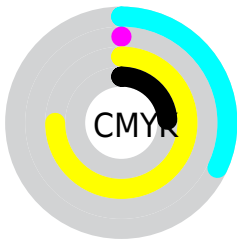
Blue (19%)



Red (19%)

Yellow (76%)

Blue (44%)

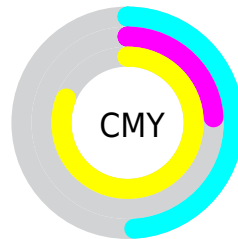


Cyan (32%)

Magenta (0%)

Yellow (75%)

Black (24%)



Cyan (49%)


Magenta (24%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2062, 43.6306, 9.7880 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 29.2062, 43.6306, 9.7880 by changing the saturation by 10% instead.


 29.2062, 43.6306,
9.7880


 29.2062, 43.6306,
9.7880


290.1633,
361.1987, 199.5818


 19.3819, 30.3802,
5.1549


 57.7998, 80.6616,
25.9975


 12.0522, 20.1274,
2.2781


 77.2999, 105.2110,
38.4110

 6.8517, 12.4877,
0.7189


 100.7559,
134.2955, 54.2550

 3.4150, 7.0767,
0.0000

 128.5333,
168.2995, 73.9481

 1.3769, 3.5101,
0.0000

 160.9974,
207.6075, 97.9087

 0.2396, 1.4035,
0.0000

 198.5135,

 0.0000, 0.2193,

252.6037, 126.5555

0.0000

241.4470,
303.6727, 160.3070

■ 0.0000, 0.0000,
0.0000

■ 29.2062, 43.6306,
9.7880

■ 29.2062, 43.6306,
9.7880

■ 27.6290, 42.8565,
8.0180

■ 31.0679, 44.5338,
12.4926

■ 26.3062, 42.1946,
7.0509

■ 33.2335, 45.5696,
16.2349

■ 25.6865, 41.8816,
6.7301

■ 35.7238, 46.7482,
21.1076

■ 38.5566, 48.0768,
27.1925

■ 41.7482, 49.5623,
34.5636

■ 45.3136, 51.2109,
43.2890

■ 49.2669, 53.0285,
53.4322

■ 53.6215, 55.0206,
65.0525

■ 58.3898, 57.1926,
78.2058

Harmonies

Analogous

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



39.7957, 43.6306, 6.2136



29.2062, 43.6306, 9.7880



23.0842, 43.6306, 22.8347

Triad

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



29.2062, 43.6306, 9.7880



31.5951, 43.6306, 142.8812



71.1154, 43.6306, 42.8104

Complementary

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



29.2062, 43.6306, 9.7880



17.5201, 9.5378, 51.9590

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.



67.6844, 43.6306, 85.5585



29.2062, 43.6306, 9.7880



43.1897, 43.6306, 157.9055

Square

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



29.2062, 43.6306, 9.7880



24.2516, 43.6306, 98.6330



56.7595, 43.6306, 132.9927



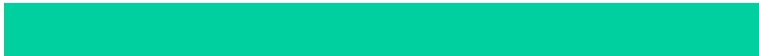
65.3593, 43.6306, 18.0494

Rectangle

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



29.2062, 43.6306, 9.7880



21.5258, 43.6306, 40.4841



56.7595, 43.6306, 132.9927



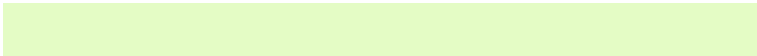
71.0043, 43.6306, 55.2970

Sweetspot

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



29.2072, 43.6325, 9.7889



77.1153, 90.4768, 66.1692



28.5801, 23.2445, 5.8867



16.5126, 19.6397, 13.5927



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.



29.2072, 43.6325, 9.7889



48.4041, 76.8181, 13.2098



21.6315, 39.7271, 9.4344



10.4772, 11.5335, 10.7358



16.9828, 27.5838, 4.4291



0.8116, 1.2320, 0.1950

Inverse Universe

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



17.5201, 9.5378, 51.9590



26.3029, 12.0455, 93.4085



30.6848, 16.3245, 52.5751



9.9342, 9.9572, 12.6832



8.9140, 3.8558, 33.8310



0.4641, 0.2073, 1.4654

Previews

White Background



This preview shows how the XYZ color 29.2062, 43.6306, 9.7880 looks on a white background.

Color Contrast Check

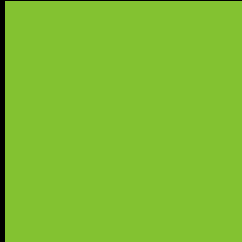
Large Text (above 18pt) WCAG AA × Fail

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 29.2062, 43.6306, 9.7880 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 29.2062, 43.6306, 9.7880

Background



This preview shows how black text looks on a background with the XYZ color 29.2062, 43.6306, 9.7880.



This preview shows how white text looks on a background with the XYZ color 29.2062, 43.6306, 9.7880.

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

29.2062, 43.6306, 9.7880

Protanopia

39.0059, 43.1028, 8.6467

Deuteranopia

44.1495, 43.1793, 10.2825



Tritanopia

38.9519, 43.4719, 57.9677

Trichromacy



Original Color

29.2062, 43.6306, 9.7880

Protanomaly

34.6602, 42.9485, 9.0479

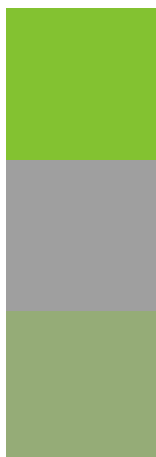
Deuteranomaly

37.1750, 42.4212, 9.9702

Tritanomaly

33.7691, 42.9104, 32.0939

Monochromacy



Original Color

29.2062, 43.6306, 9.7880

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.4767, 37.2265, 23.0319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2062, 43.6306, 9.7880 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, 194, 49)` looks like.

```
.text, #text, p{  
    color:rgb(131, 194, 49)  
}
```

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, 194, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 194, 49) }
```

Border

The CSS property to change the border of an element to XYZ 29.2062, 43.6306, 9.7880 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, 194, 49) }
```


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

```
.border{ border-color:rgb(131, 194, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 194, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 194, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 194, 49);  
box-shadow:4px 4px 4px 4px rgb(131, 194,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2062, 43.6306, 9.7880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 194, 49) }
```

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

```
.background{ background-color: rgb(131,  
194, 49) }
```

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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