

Converting Colors

XYZ(29.3481, 43.1784, 18.5918)

Have a look what the booklet for
XYZ(29.3481, 43.1784, 18.5918)
contains.

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Color

**XYZ(29.3481, 43.1784,
18.5918)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC163
RGB	122, 193, 99
RGB Percent	48%, 76%, 39%
CMY	0.5216, 0.2431, 0.6118
CMYK	0.37, 0.00, 0.49, 0.24
HSL	105°, 43%, 57%
HSV	105°, 49%, 76%
XYZ	29.3481, 43.1784, 18.5918
YIQ	161.0550, -12.1420, -44.2860

Conversions

Conversions Part 2

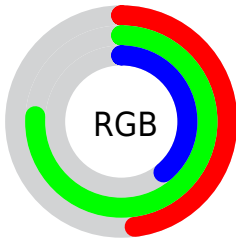
Format	Color
RYB	99, 193, 170
Decimal	8044899
CIELab	71.68, -39.96, 40.21
CIELCh	72, 56.692, 134.825
Yxy	43.1784, 0.3221, 0.4739
Android (android.graphics.Color)	4286234979 (0xFF7AC163)
YUV	161.0550, -30.5931, -34.2512
Hunter-Lab	65.7103, -35.2697, 29.2219

Details

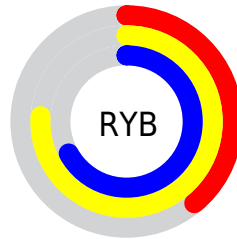
The XYZ color **29.3481, 43.1784, 18.5918** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **30.6672, 21.3214, 52.9536**, and the grayscale version is **34.0446, 35.8175, 39.0053**.

A 20% lighter version of the original color is **57.9846, 79.9853, 42.0884**, and **12.1709, 19.9159, 6.1084** is the 20% darker color. If you saturate the color by 10%, you get **26.6221, 41.8685, 14.2101**, and if you desaturate by 10%, it is **32.6065, 44.7398, 24.1512**.

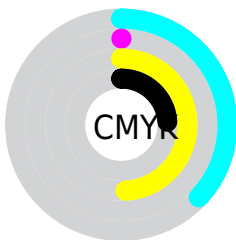
Distribution



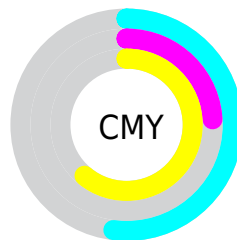
- Red (48%)
- Green (76%)
- Blue (39%)



- Red (39%)
- Yellow (76%)
- Blue (67%)



- Cyan (37%)
- Magenta (0%)
- Yellow (49%)
- Black (24%)



- Cyan (52%)
- Magenta (24%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3481, 43.1784, 18.5918 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 29.3481, 43.1784, 18.5918 by changing the saturation by 10% instead.

■ 29.3481, 43.1784,
18.5918

■ 29.3481, 43.1784,
18.5918

290.8185,
359.3449, 256.5331

■ 19.4899, 30.0251,
11.2019

■ 58.0234, 79.9800,
41.8707

■ 12.1309, 19.8577,
6.0869

■ 77.5713, 104.3971,
58.5967

■ 6.9057, 12.2916,
2.8284

■ 101.0797,
133.3376, 79.2718

■ 3.4490, 6.9426,
1.0077

■ 128.9142,
167.1859, 104.3146

■ 1.3954, 3.4262,
0.0000

161.4399,
206.3264, 134.1436

■ 0.2530, 1.3581,
0.0000

199.0223,

■ 0.0000, 0.1855,

251.1435, 169.1773

0.0000

242.0267,
302.0215, 209.8343

■ 0.0000, 0.0000,
0.0000

■ 29.3481, 43.1784,
18.5918

■ 29.3481, 43.1784,
18.5918

■ 26.6221, 41.8685,
14.2101

■ 32.6065, 44.7398,
24.1512

■ 24.3955, 40.7912,
10.9186

■ 36.4213, 46.5596,
30.9617

■ 22.6365, 39.9335,
8.6220


■ 40.8190, 48.6513,
39.0944


■ 21.3078, 39.2784,
7.2075

■ 45.8232, 51.0255,
48.6140


■ 20.3564, 38.8029,
6.4886


■ 51.4564, 53.6926,
59.5810

 20.2533, 38.7513,
6.4123

 57.7397, 56.6622,
72.0523

 64.6933, 59.9436,
86.0819

 72.3366, 63.5457,
101.7208

 77.7044, 66.2833,
103.3062

Harmonies

Analogous

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



36.4930, 43.1784, 12.1778



29.3481, 43.1784, 18.5918



25.6705, 43.1784, 34.4826

Triad

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



29.3481, 43.1784, 18.5918



36.3925, 43.1784, 118.7726



61.6089, 43.1784, 34.7368

Complementary

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



29.3481, 43.1784, 18.5918



30.6672, 21.3214, 52.9536

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.



61.5707, 43.1784, 62.2638



29.3481, 43.1784, 18.5918



45.9493, 43.1784, 118.9276

Square

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



29.3481, 43.1784, 18.5918



29.2844, 43.1784, 95.0293



55.4852, 43.1784, 95.3946



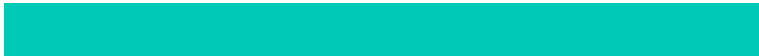
55.5827, 43.1784, 18.7150

Rectangle

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



29.3481, 43.1784, 18.5918



25.2497, 43.1784, 51.6051



55.4852, 43.1784, 95.3946



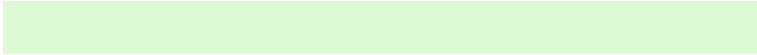
62.3320, 43.1784, 42.7035

Sweetspot

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



29.3492, 43.1802, 18.5928



76.0881, 88.5478, 75.6433



38.5275, 40.8026, 17.6501



15.9280, 18.8087, 15.4810



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.3492, 43.1802, 18.5928



47.5880, 74.9400, 25.3100



27.7608, 42.2122, 25.2608



10.1701, 11.3752, 10.7215



13.5320, 25.8048, 4.2676



0.6495, 1.1484, 0.1874

Inverse Universe

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



30.6672, 21.3214, 52.9536



50.1471, 31.3529, 93.7690



33.6643, 23.1457, 40.4778



10.2488, 10.1194, 12.6979



14.3361, 6.6509, 34.0848



0.6785, 0.3178, 1.4755

Previews

White Background



This preview shows how the XYZ color 29.3481, 43.1784, 18.5918 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 29.3481, 43.1784, 18.5918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

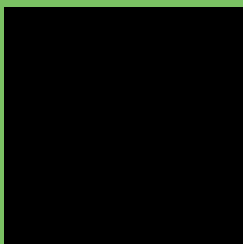
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3481, 43.1784, 18.5918

Background



This preview shows how black text looks on a background with the XYZ color 29.3481, 43.1784, 18.5918.



This preview shows how white text looks on a background with the XYZ color 29.3481, 43.1784,

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

29.3481, 43.1784, 18.5918

Protanopia

39.2981, 42.7877, 16.5435

Deuteranopia

43.5199, 42.6544, 19.3040



Tritanopia

37.4535, 42.9761, 59.1445

Trichromacy



Original Color

29.3481, 43.1784, 18.5918



Protanomaly

34.7299, 42.4976, 17.1989



Deuteranomaly

36.5639, 41.6136, 18.9371



Tritanomaly

33.6648, 42.6776, 40.1815

Monochromacy



Original Color

29.3481, 43.1784, 18.5918



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.5636, 37.9252, 29.7015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3481, 43.1784, 18.5918 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(122, 193, 99)` looks like.

```
.text, #text, p{  
    color:rgb(122, 193, 99)  
}
```

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(122, 193, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 193, 99) }
```

Border

The CSS property to change the border of an element to XYZ 29.3481, 43.1784, 18.5918 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(122, 193, 99) }
```


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

```
.border{ border-color:rgb(122, 193, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 193, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 193, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 193, 99);  
box-shadow:4px 4px 4px 4px rgb(122, 193,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3481, 43.1784, 18.5918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 193, 99) }
```

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

```
.background{ background-color: rgb(122,  
193, 99) }
```

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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