

Converting Colors

XYZ(18.4593, 28.8877, 18.5753)

Have a look what the booklet for
XYZ(18.4593, 28.8877, 18.5753)
contains.

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Color

**XYZ(18.4551, 28.9145,
18.5183)**

Conversions

Conversions Part 1

Format	Color
Hex	46A46B
RGB	70, 164, 107
RGB Percent	27%, 64%, 42%
CMY	0.7255, 0.3569, 0.5804
CMYK	0.57, 0.00, 0.35, 0.36
HSL	144°, 40%, 46%
HSV	144°, 57%, 64%
XYZ	18.4551, 28.9145, 18.5183
YIQ	129.3960, -37.7270, -37.6550

Conversions

Conversions Part 2

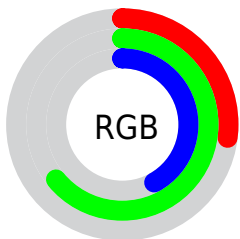
Format	Color
RYB	70, 137, 164
Decimal	4629611
CIELab	60.71, -41.10, 21.44
CIElCh	61, 46.355, 152.447
Yxy	28.9145, 0.2801, 0.4388
Android (android.graphics.Color)	4282819691 (0xFF46A46B)
YUV	129.3960, -11.0412, -52.0903
Hunter-Lab	53.7722, -32.8386, 17.2220

Details

The XYZ color **18.4551, 28.9145, 18.5183** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.3317, 13.8058, 21.6203**, and the grayscale version is **21.0529, 22.1493, 24.1206**.

A 20% lighter version of the original color is **40.4554, 58.1252, 41.8880**, and **6.4739, 11.6846, 6.0518** is the 20% darker color. If you saturate the color by 10%, you get **16.9363, 28.1894, 15.8716**, and if you desaturate by 10%, it is **20.3586, 29.8326, 21.4985**.

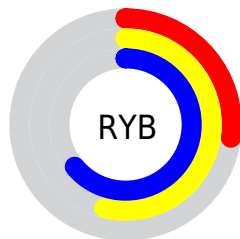
Distribution



Red (27%)

Green (64%)

Blue (42%)



Red (27%)

Yellow (54%)

Blue (64%)

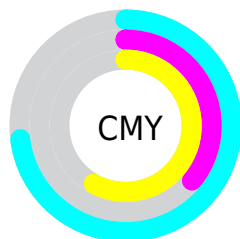


Cyan (57%)

Magenta (0%)

Yellow (35%)

Black (36%)



Cyan (73%)

Magenta (36%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4551, 28.9145, 18.5183 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 18.4551, 28.9145, 18.5183 by changing the saturation by 10% instead.

■ 18.4551, 28.9145,
18.5183

■ 18.4551, 28.9145,
18.5183

236.4201,
296.8113, 256.1099

■ 11.3789, 19.0162,
11.1495

■ 40.3353, 57.9412,
41.7443

■ 6.3914, 11.6819,
6.0520

■ 55.8700, 77.8384,
58.4386

■ 3.1274, 6.5275,
2.8074

■ 74.9550, 101.8373,
79.0784

■ 1.2215, 3.1684,
0.9972

■ 97.9554, 130.3223,
104.0824

■ 0.1233, 1.2203,
0.0000

■ 125.2369,
163.6778, 133.8690

■ 0.0000, 0.0782,
0.0000

157.1645,

■ 0.0000, 0.0000,

202.2882, 168.8567

0.0000

194.1038,
246.5379, 209.4642

■ 18.4551, 28.9145,
18.5183

■ 18.4551, 28.9145,
18.5183

■ 16.9363, 28.1894,
15.8716

■ 20.3586, 29.8326,
21.4985

■ 15.7710, 27.6389,
13.5444

■ 22.6706, 30.9533,
24.8214

■ 14.9265, 27.2474,
11.5247

■ 25.4153, 32.2897,
28.4985

■ 14.3508, 26.9882,
9.7980

■ 28.6143, 33.8528,
32.5401

■ 14.2172, 26.9284,
9.3818

■ 32.2880, 35.6527,
36.9560

■ 36.4553, 37.6991,
41.7555

■ 41.1340, 40.0009,
46.9479

■ 46.3412, 42.5669,
52.5418

■ 52.0929, 45.4051,
58.5459

Harmonies

Analogous

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



21.7353, 28.9145, 10.9947



18.4551, 28.9145, 18.5183



17.4757, 28.9145, 32.9178

Triad

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



18.4551, 28.9145, 18.5183



27.9789, 28.9145, 77.4925



38.4368, 28.9145, 16.8521

Complementary

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



18.4551, 28.9145, 18.5183



21.3317, 13.8058, 21.6203

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.



40.7244, 28.9145, 30.0904



18.4551, 28.9145, 18.5183



34.1625, 28.9145, 68.4982

Square

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



18.4551, 28.9145, 18.5183



22.4747, 28.9145, 70.8992



39.0574, 28.9145, 49.4132



33.1836, 28.9145, 10.3085

Rectangle

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



18.4551, 28.9145, 18.5183



18.1234, 28.9145, 45.8909



39.0574, 28.9145, 49.4132



39.6101, 28.9145, 20.4586

Sweetspot

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



18.4559, 28.9157, 18.5190



51.9359, 61.4452, 59.0611



23.2790, 31.5810, 10.6635



11.1018, 13.3097, 12.5997



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.4559, 28.9157, 18.5190



30.0458, 50.8366, 27.4894



21.5547, 30.1552, 34.8371



7.0956, 7.9391, 8.1153



10.9228, 20.6555, 7.3098



0.2524, 0.4432, 0.2740

Inverse Universe

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



21.3317, 13.8058, 21.6203



35.7647, 20.6710, 33.5686



18.9848, 12.8670, 9.2615



7.2457, 7.1547, 8.2800



13.5060, 6.7585, 9.8554



0.3060, 0.1509, 0.3243

Previews

White Background



This preview shows how the XYZ color 18.4551, 28.9145, 18.5183 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4551, 28.9145, 18.5183 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 × Fail

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

XYZ 18.4551, 28.9145, 18.5183

Background



This preview shows how black text looks on a background with the XYZ color 18.4551, 28.9145, 18.5183.



This preview shows how white text looks on a background with the XYZ color 18.4551, 28.9145,

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

18.4551, 28.9145, 18.5183

Protanopia

26.2822, 28.3197, 15.8854

Deuteranopia

29.0973, 28.5839, 19.3129



Tritanopia

23.0744, 28.7162, 41.8628

Trichromacy



Original Color

18.4551, 28.9145, 18.5183

Protanomaly

22.0840, 27.7758, 16.7677

Deuteranomaly

23.3934, 27.6890, 18.8634

Tritanomaly

20.9798, 28.6209, 31.6128

Monochromacy



Original Color

18.4551, 28.9145, 18.5183

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.3085, 23.9146, 21.6875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4551, 28.9145, 18.5183 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(70, 164, 107)` looks like.

```
.text, #text, p{  
    color:rgb(70, 164, 107)  
}
```

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(70, 164, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 164, 107) }
```

Border

The CSS property to change the border of an element to XYZ 18.4551, 28.9145, 18.5183 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(70, 164, 107) }
```


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

```
.border{ border-color:rgb(70, 164, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 164, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 164, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 164, 107);  
box-shadow:4px 4px 4px 4px rgb(70, 164,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4551, 28.9145, 18.5183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 164, 107) }
```

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

```
.background{ background-color: rgb(70, 164,  
107) }
```

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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