

Converting Colors

XYZ(21.9143, 33.5884, 16.8702)

Have a look what the booklet for
XYZ(21.9143, 33.5884, 16.8702)
contains.

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Color

**XYZ(21.8549, 33.4811,
16.8659)**

Conversions

Conversions Part 1

Format	Color
Hex	5DAE62
RGB	93, 174, 98
RGB Percent	36%, 68%, 38%
CMY	0.6353, 0.3176, 0.6157
CMYK	0.47, 0.00, 0.44, 0.32
HSL	124°, 33%, 52%
HSV	124°, 47%, 68%
XYZ	21.8549, 33.4811, 16.8659
YIQ	141.1170, -23.8800, -40.8080

Conversions

Conversions Part 2

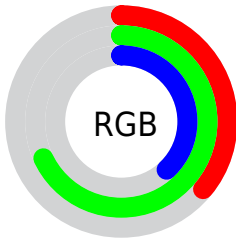
Format	Color
RYB	93, 169, 174
Decimal	6139490
CIELab	64.55, -40.87, 31.47
CIElCh	65, 51.583, 142.409
Yxy	33.4811, 0.3027, 0.4637
Android (android.graphics.Color)	4284329570 (0xFF5DAE62)
YUV	141.1170, -21.2567, -42.1986
Hunter-Lab	57.8629, -33.8402, 23.2221

Details

The XYZ color **21.8549, 33.4811, 16.8659** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28.5324, 19.6927, 39.8346**, and the grayscale version is **25.4516, 26.7771, 29.1602**.

A 20% lighter version of the original color is **46.0146, 65.0915, 38.9929**, and **8.1406, 14.2801, 5.3449** is the 20% darker color. If you saturate the color by 10%, you get **19.5963, 32.3979, 13.1387**, and if you desaturate by 10%, it is **24.6732, 34.8366, 21.4414**.

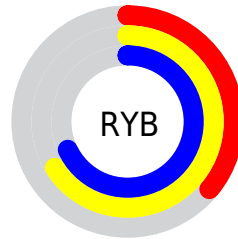
Distribution



Red (36%)

Green (68%)

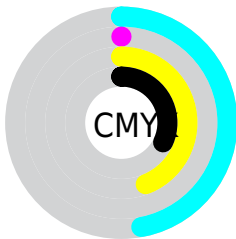
Blue (38%)



Red (36%)

Yellow (66%)

Blue (68%)

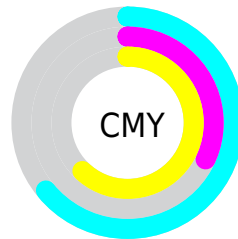


Cyan (47%)

Magenta (0%)

Yellow (44%)

Black (32%)



Cyan (64%)

Magenta (32%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8549, 33.4811, 16.8659 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 21.8549, 33.4811, 16.8659 by changing the saturation by 10% instead.

■ 21.8549, 33.4811,
16.8659

■ 21.8549, 33.4811,
16.8659

254.4342,
317.8121, 246.4161

■ 13.8663, 22.4953,
9.9780

■ 45.9867, 65.1259,
38.8826

■ 8.1088, 14.2213,
5.2789

■ 62.8606, 86.5537,
54.8484

■ 4.2171, 8.2747,
2.3503

■ 83.4271, 112.2309,
74.6772

■ 1.8257, 4.2712,
0.7592

■ 108.0514,
142.5419, 98.7877

■ 0.5331, 1.8264,
0.0000

137.0989,
177.8711, 127.5983

■ 0.0000, 0.5036,
0.0000

170.9350,

■ 0.0000, 0.0000,

218.6030, 161.5275

0.0000

209.9249,
265.1218, 200.9939

■ 21.8549, 33.4811,
16.8659

■ 21.8549, 33.4811,
16.8659

■ 19.5963, 32.3979,
13.1387

■ 24.6732, 34.8366,
21.4414

■ 17.8576, 31.5647,
10.2057

■ 28.0824, 36.4766,
26.9107

■ 16.5981, 30.9627,
8.0099


■ 32.1144, 38.4175,
33.3184


■ 15.7696, 30.5684,
6.4859


■ 36.7981, 40.6734,
40.7058


■ 15.3081, 30.3506,
5.5563


■ 42.1606, 43.2574,
49.1115

 15.1956, 30.2970,
5.3558

 48.2275, 46.1819,
58.5721

 55.0231, 49.4586,
69.1223

 62.5703, 53.0988,
80.7955

 70.8912, 57.1131,
93.6234

Harmonies

Analogous

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



26.7161, 33.4811, 10.3206



21.8549, 33.4811, 16.8659



19.7321, 33.4811, 31.3482

Triad

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



21.8549, 33.4811, 16.8659



29.9857, 33.4811, 93.3647



46.8190, 33.4811, 23.0588

Complementary

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



21.8549, 33.4811, 16.8659



28.5324, 19.6927, 39.8346

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.



48.0545, 33.4811, 42.0888



21.8549, 33.4811, 16.8659



37.5419, 33.4811, 88.3804

Square

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



21.8549, 33.4811, 16.8659



23.9309, 33.4811, 79.0459



44.4369, 33.4811, 67.2737



41.2831, 33.4811, 12.8113

Rectangle

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



21.8549, 33.4811, 16.8659



19.8831, 33.4811, 45.8997



44.4369, 33.4811, 67.2737



47.7825, 33.4811, 28.4042

Sweetspot

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



21.8557, 33.4825, 16.8666



60.1008, 70.5741, 63.3611



33.6800, 39.6046, 16.2256



12.9788, 15.5032, 13.4829



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.8557, 33.4825, 16.8666



35.3863, 58.6885, 23.5679



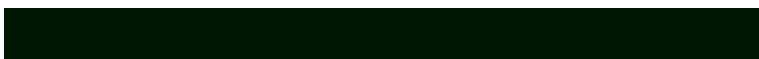
24.2061, 34.4227, 29.2437



7.9238, 8.9471, 8.6238



11.0292, 21.9769, 3.9274



0.3132, 0.6139, 0.1427

Inverse Universe

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



28.5324, 19.6927, 39.8346



49.0062, 30.5298, 70.3995



25.3634, 18.4250, 23.1464



8.3154, 8.1394, 9.9717



17.4804, 8.4547, 25.9731



0.4926, 0.2377, 0.7556

Previews

White Background



This preview shows how the XYZ color 21.8549, 33.4811, 16.8659 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 21.8549, 33.4811, 16.8659 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 21.8549, 33.4811, 16.8659

Background



This preview shows how black text looks on a background with the XYZ color 21.8549, 33.4811, 16.8659.



This preview shows how white text looks on a background with the XYZ color 21.8549, 33.4811,

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

21.8549, 33.4811, 16.8659

Protanopia

30.5714, 33.1902, 14.6926

Deuteranopia

33.7397, 33.0592, 17.6995



Tritanopia

27.9214, 33.4396, 47.1024

Trichromacy



Original Color

21.8549, 33.4811, 16.8659

Protanomaly

26.4453, 32.8422, 15.5350

Deuteranomaly

27.7620, 32.1853, 17.3195

Tritanomaly

25.1364, 33.1182, 33.5014

Monochromacy



Original Color

21.8549, 33.4811, 16.8659

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.4051, 28.5482, 23.6788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8549, 33.4811, 16.8659 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(93, 174, 98)` looks like.

```
.text, #text, p{  
    color:rgb(93, 174, 98)  
}
```

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(93, 174, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 174, 98) }
```

Border

The CSS property to change the border of an element to XYZ 21.8549, 33.4811, 16.8659 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(93, 174, 98) }
```


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

```
.border{ border-color:rgb(93, 174, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 174, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 174, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 174, 98);  
box-shadow:4px 4px 4px 4px rgb(93, 174,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8549, 33.4811, 16.8659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 174, 98) }
```

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

```
.background{ background-color: rgb(93, 174,  
98) }
```

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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