

Converting Colors

XYZ(13.5031, 18.6179, 13.6892)

Have a look what the booklet for
XYZ(13.5031, 18.6179, 13.6892)
contains.

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Color

**XYZ(13.4415, 18.5408,
13.6968)**

Conversions

Conversions Part 1

Format	Color
Hex	51825F
RGB	81, 130, 95
RGB Percent	32%, 51%, 37%
CMY	0.6824, 0.4902, 0.6274
CMYK	0.38, 0.00, 0.27, 0.49
HSL	137°, 23%, 41%
HSV	137°, 38%, 51%
XYZ	13.4415, 18.5408, 13.6968
YIQ	111.3590, -17.9690, -21.2730

Conversions

Conversions Part 2

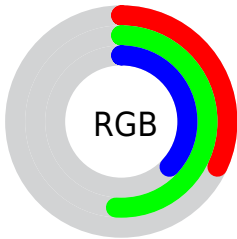
Format	Color
R_{YB}	81, 119, 130
Decimal	5341791
CIE _{Lab}	50.15, -24.61, 13.83
CIE _{LCh}	50, 28.232, 150.661
Yxy	18.5408, 0.2943, 0.4059
Android (android.graphics.Color)	4283531871 (0xFF51825F)
YUV	111.3590, -8.0650, -26.6248
Hunter-Lab	43.0590, -19.6319, 11.2816

Details

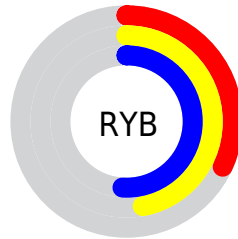
The XYZ color **13.4415, 18.5408, 13.6968** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.3013, 11.8920, 18.0125**, and the grayscale version is **15.2406, 16.0343, 17.4614**.

A 20% lighter version of the original color is **31.6375, 40.8478, 33.4111**, and **4.0187, 6.2661, 3.9034** is the 20% darker color. If you saturate the color by 10%, you get **12.0352, 17.8622, 11.5576**, and if you desaturate by 10%, it is **15.1125, 19.3510, 16.1119**.

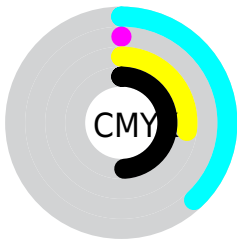
Distribution



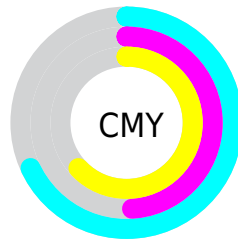
- Red (32%)
- Green (51%)
- Blue (37%)



- Red (32%)
- Yellow (47%)
- Blue (51%)



- Cyan (38%)
- Magenta (0%)
- Yellow (27%)
- Black (49%)



- Cyan (68%)
- Magenta (49%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4415, 18.5408, 13.6968 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 13.4415, 18.5408, 13.6968 by changing the saturation by 10% instead.

■ 13.4415, 18.5408,
13.6968

■ 13.4415, 18.5408,
13.6968

207.3090,
243.9019, 226.6988

■ 7.8124, 11.3389,
7.7738

■ 31.6893, 40.9567,
33.2594

■ 4.0259, 6.2953,
3.8648

■ 45.0387, 56.9395,
47.7361

■ 1.7168, 3.0255,
1.5515

■ 61.6922, 76.6182,
65.9010

■ 0.4667, 1.1450,
0.2558

■ 82.0152, 100.3770,
88.1728

■ 0.0000, 0.0161,
0.0000

■ 106.3730,
128.6003, 114.9699

■ 0.0000, 0.0000,
0.0000

135.1310,

161.6727, 146.7109

168.6546,
199.9784, 183.8144

■ 13.4415, 18.5408,
13.6968

■ 13.4415, 18.5408,
13.6968

■ 12.0352, 17.8622,
11.5576

■ 15.1125, 19.3510,
16.1119

■ 10.8780, 17.3060,
9.6831

■ 17.0595, 20.2970,
18.8111

■ 9.9553, 16.8652,
8.0635

■ 19.2952, 21.3857,
21.8035

■ 9.2498, 16.5312,
6.6874

■ 21.8309, 22.6226,
25.0977

■ 8.7420, 16.2943,
5.5430

■ 24.6772, 24.0131,
28.7020

■ 8.3915, 16.1337,
4.6163

■ 27.8444, 25.5623,
32.6240

■ 8.3192, 16.1004,
4.4314

■ 31.3421, 27.2750,
36.8714

■ 35.1797, 29.1560,
41.4516

■ 39.3661, 31.2096,
46.3715

Harmonies

Analogous

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



15.0853, 18.5408, 9.8425



13.4415, 18.5408, 13.6968



12.8890, 18.5408, 20.3613

Triad

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



13.4415, 18.5408, 13.6968



17.6830, 18.5408, 39.1967



22.5201, 18.5408, 13.4667

Complementary

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



13.4415, 18.5408, 13.6968



15.3013, 11.8920, 18.0125

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.



23.3926, 18.5408, 20.0152



13.4415, 18.5408, 13.6968



20.4292, 18.5408, 36.0257

Square

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



13.4415, 18.5408, 13.6968



15.1799, 18.5408, 36.2809



22.5913, 18.5408, 28.4608



20.3139, 18.5408, 9.7356

Rectangle

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



13.4415, 18.5408, 13.6968



13.1640, 18.5408, 25.9534



22.5913, 18.5408, 28.4608



22.9886, 18.5408, 15.3463

Sweetspot

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



13.4420, 18.5416, 13.6972



32.5194, 36.9491, 36.4620



16.6865, 20.2812, 10.8199



7.2618, 8.3152, 8.1212



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4420, 18.5416, 13.6972



21.5773, 31.6402, 20.9505



14.7293, 19.0565, 20.4764



4.3227, 4.8374, 4.8703



7.9791, 15.4382, 4.2630



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.3013, 11.8920, 18.0125



25.3286, 18.2063, 29.6437



14.0639, 11.3970, 11.4964



4.4474, 4.3921, 5.1605



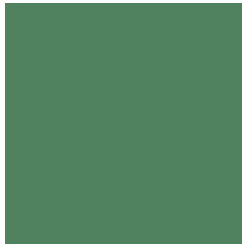
10.7184, 5.3071, 10.3730



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4415, 18.5408, 13.6968 looks on a white background.

Color Contrast Check

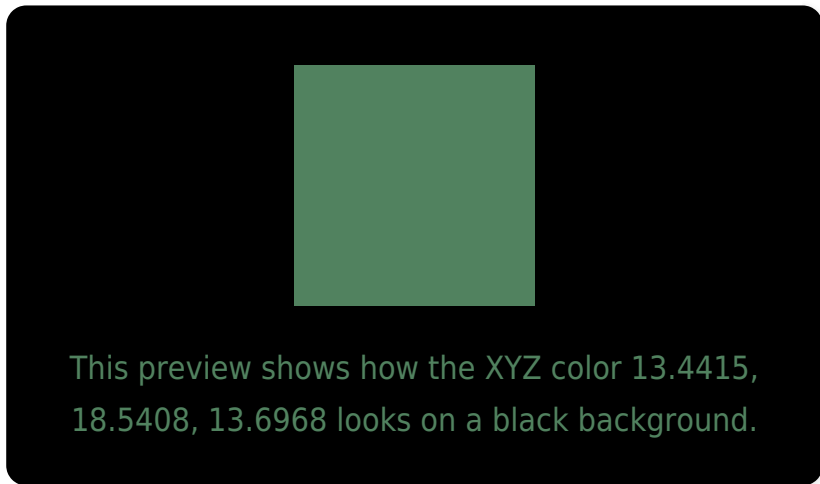
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

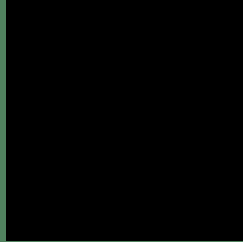
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4415, 18.5408, 13.6968

Background



This preview shows how black text looks on a background with the XYZ color 13.4415, 18.5408, 13.6968.



This preview shows how white text looks on a background with the XYZ color 13.4415, 18.5408,

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

13.4415, 18.5408, 13.6968

Protanopia

17.1947, 18.4439, 12.3266

Deuteranopia

18.5384, 18.2348, 14.0979



Tritanopia

15.8266, 18.5403, 25.6662

Trichromacy



Original Color

13.4415, 18.5408, 13.6968

Protanomaly

15.4451, 18.2536, 12.8345

Deuteranomaly

16.2103, 18.0779, 13.9443

Tritanomaly

14.8173, 18.5132, 20.5618

Monochromacy



Original Color

13.4415, 18.5408, 13.6968

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2838, 16.6861, 15.8325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4415, 18.5408, 13.6968 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(81, 130, 95)` looks like.

```
.text, #text, p{  
    color:rgb(81, 130, 95)  
}
```

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(81, 130, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 130, 95) }
```

Border

The CSS property to change the border of an element to XYZ 13.4415, 18.5408, 13.6968 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(81, 130, 95) }
```


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

```
.border{ border-color:rgb(81, 130, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 130, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 130, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 130, 95);  
box-shadow:4px 4px 4px 4px rgb(81, 130,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4415, 18.5408, 13.6968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 130, 95) }
```

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

```
.background{ background-color: rgb(81, 130,  
95) }
```

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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