

Converting Colors

XYZ(13.4732, 18.9141, 18.1196)

Have a look what the booklet for
XYZ(13.4732, 18.9141, 18.1196)
contains.

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Color

**XYZ(13.4352, 18.8435,
17.9680)**

Conversions

Conversions Part 1

Format	Color
Hex	43846F
RGB	67, 132, 111
RGB Percent	26%, 52%, 44%
CMY	0.7373, 0.4823, 0.5647
CMYK	0.49, 0.00, 0.16, 0.48
HSL	161°, 33%, 39%
HSV	161°, 49%, 52%
XYZ	13.4352, 18.8435, 17.9680
YIQ	110.1710, -31.9990, -20.3110

Conversions

Conversions Part 2

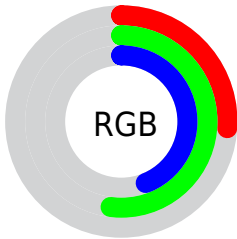
Format	Color
R_{YB}	67, 106, 132
Decimal	4424815
CIE _{Lab}	50.50, -26.19, 4.96
CIE _{LCh}	51, 26.660, 169.277
Yxy	18.8435, 0.2674, 0.3750
Android (android.graphics.Color)	4282614895 (0xFF43846F)
YUV	110.1710, 0.4087, -37.8610
Hunter-Lab	43.4091, -20.7198, 5.8449

Details

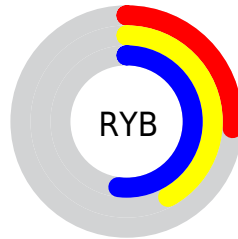
The XYZ color **13.4352, 18.8435, 17.9680** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.2849, 9.6248, 10.3906**, and the grayscale version is **14.8759, 15.6506, 17.0435**.

A 20% lighter version of the original color is **31.5676, 41.2642, 40.9513**, and **4.0146, 6.4451, 5.7351** is the 20% darker color. If you saturate the color by 10%, you get **12.4022, 18.3380, 16.7232**, and if you desaturate by 10%, it is **14.6867, 19.4614, 19.2824**.

Distribution



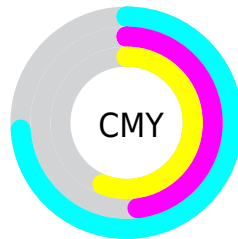
- Red (26%)
- Green (52%)
- Blue (44%)



- Red (26%)
- Yellow (42%)
- Blue (52%)



- Cyan (49%)
- Magenta (0%)
- Yellow (16%)
- Black (48%)



- Cyan (74%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4352, 18.8435, 17.9680 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 13.4352, 18.8435, 17.9680 by changing the saturation by 10% instead.

■ 13.4352, 18.8435,
17.9680

■ 13.4352, 18.8435,
17.9680

207.2700,
245.5834, 252.9207

■ 7.8080, 11.5572,
10.7578

■ 31.6782, 41.4695,
40.7960

■ 4.0231, 6.4430,
5.7921

■ 45.0246, 57.5780,
57.2509

■ 1.7152, 3.1163,
2.6523

■ 61.6748, 77.3961,
77.6244

■ 0.4658, 1.1927,
0.9193

■ 81.9942, 101.3081,
102.3351

■ 0.0000, 0.0558,
0.0000

■ 106.3480,
129.6984, 131.8016

■ 0.0000, 0.0000,
0.0000

135.1017,

162.9515, 166.4423

168.6206,
201.4517, 206.6758

■ 13.4352, 18.8435,
17.9680

■ 13.4352, 18.8435,
17.9680

■ 12.4022, 18.3380,
16.7232

■ 14.6867, 19.4614,
19.2824

■ 11.5719, 17.9351,
15.5452

■ 16.1683, 20.1961,
20.6665

■ 10.9286, 17.6275,
14.4329


■ 17.8924, 21.0545,
22.1220

■ 10.4536, 17.4053,
13.3846


■ 19.8702, 22.0422,
23.6503


■ 10.0958, 17.2423,
12.3969


■ 22.1120, 23.1648,
25.2526

 10.0697, 17.2304,
12.3243

 24.6277, 24.4272,
26.9300

 27.4267, 25.8342,
28.6838

 30.5176, 27.3903,
30.5151

 33.9092, 29.0999,
32.4248

Harmonies

Analogous

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



14.3836, 18.8435, 12.5250



13.4352, 18.8435, 17.9680



13.5951, 18.8435, 25.6141

Triad

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



13.4352, 18.8435, 17.9680



19.6111, 18.8435, 37.2087



21.3722, 18.8435, 11.4699

Complementary

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



13.4352, 18.8435, 17.9680



13.2849, 9.6248, 10.3906

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.



23.0535, 18.8435, 16.1460



13.4352, 18.8435, 17.9680



21.9707, 18.8435, 31.3425

Square

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



13.4352, 18.8435, 17.9680



16.9964, 18.8435, 38.0364



23.2825, 18.8435, 23.2971



18.8562, 18.8435, 9.4234

Rectangle

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



13.4352, 18.8435, 17.9680



14.3136, 18.8435, 30.9768



23.2825, 18.8435, 23.2971



22.0637, 18.8435, 12.7253

Sweetspot

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



13.4357, 18.8443, 17.9684



32.8233, 37.7381, 40.0029



13.3528, 19.0159, 8.2770



7.4994, 8.7151, 9.2015



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.4357, 18.8443, 17.9684



21.6718, 32.2162, 29.2281



13.3378, 16.5752, 24.3270



4.7393, 5.2540, 5.6384



9.7521, 16.6837, 11.9458



0.0371, 0.0591, 0.0590

Inverse Universe

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



13.2849, 9.6248, 10.3906



21.3841, 13.9991, 14.3063



13.2419, 10.7363, 6.6848



4.7300, 4.7117, 5.1906



9.6318, 4.9171, 2.6336



0.0364, 0.0183, 0.0253

Previews

White Background



This preview shows how the XYZ color 13.4352, 18.8435, 17.9680 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 13.4352, 18.8435, 17.9680 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 13.4352, 18.8435, 17.9680

Background



This preview shows how black text looks on a background with the XYZ color 13.4352, 18.8435, 17.9680.

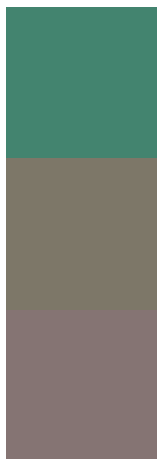


This preview shows how white text looks on a background with the XYZ color 13.4352, 18.8435,

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

13.4352, 18.8435, 17.9680

Protanopia

17.5530, 18.5531, 15.7527

Deuteranopia

19.0128, 18.7151, 18.8300



Tritanopia

15.2083, 18.7692, 26.8660

Trichromacy



Original Color

13.4352, 18.8435, 17.9680

Protanomaly

15.5704, 18.4199, 16.6447

Deuteranomaly

16.3035, 18.3852, 18.6090

Tritanomaly

14.4190, 18.6367, 23.2594

Monochromacy



Original Color

13.4352, 18.8435, 17.9680

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.9090, 16.4623, 17.1963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4352, 18.8435, 17.9680 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(67, 132, 111)` looks like.

```
.text, #text, p{  
    color:rgb(67, 132, 111)  
}
```

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(67, 132, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 132, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.4352, 18.8435, 17.9680 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(67, 132, 111) }
```


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

```
.border{ border-color:rgb(67, 132, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 132, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 132, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 132, 111);  
box-shadow:4px 4px 4px 4px rgb(67, 132,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4352, 18.8435, 17.9680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 132, 111) }
```

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

```
.background{ background-color: rgb(67, 132,  
111) }
```

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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