

Converting Colors

XYZ(13.4595, 17.7264, 11.9504)

Have a look what the booklet for
XYZ(13.4595, 17.7264, 11.9504)
contains.

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Color

**XYZ(13.5367, 17.8504,
11.9645)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7E58
RGB	91, 126, 88
RGB Percent	36%, 49%, 35%
CMY	0.6431, 0.5059, 0.6549
CMYK	0.28, 0.00, 0.30, 0.51
HSL	115°, 18%, 42%
HSV	115°, 30%, 49%
XYZ	13.5367, 17.8504, 11.9645
YIQ	111.2030, -8.6620, -19.2380

Conversions

Conversions Part 2

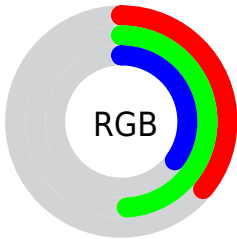
Format	Color
R_{YB}	88, 126, 123
Decimal	5996120
CIE _{Lab}	49.31, -20.41, 16.82
CIE _{LCh}	49, 26.448, 140.520
Yxy	17.8504, 0.3123, 0.4118
Android (android.graphics.Color)	4284186200 (0xFF5B7E58)
YUV	111.2030, -11.4391, -17.7180
Hunter-Lab	42.2497, -16.7461, 12.7848

Details

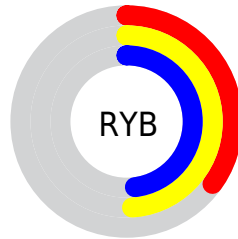
The XYZ color **13.5367, 17.8504, 11.9645** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.4246, 12.6972, 21.3774**, and the grayscale version is **15.2028, 15.9945, 17.4180**.

A 20% lighter version of the original color is **31.8629, 39.8260, 30.0526**, and **4.0681, 5.9885, 3.1320** is the 20% darker color. If you saturate the color by 10%, you get **12.0024, 17.1151, 9.3997**, and if you desaturate by 10%, it is **15.3391, 18.7145, 15.0136**.

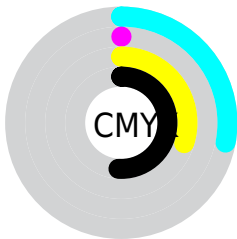
Distribution



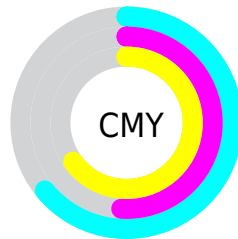
- Red (36%)
- Green (49%)
- Blue (35%)



- Red (35%)
- Yellow (49%)
- Blue (48%)



- Cyan (28%)
- Magenta (0%)
- Yellow (30%)
- Black (51%)



- Cyan (64%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5367, 17.8504, 11.9645 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 13.5367, 17.8504, 11.9645 by changing the saturation by 10% instead.

■ 13.5367, 17.8504,
11.9645

■ 13.5367, 17.8504,
11.9645

207.8981,
240.0265, 215.1397

■ 7.8787, 10.8426,
6.5973

■ 31.8579, 39.7822,
30.0939

■ 4.0686, 5.9611,
3.1369

■ 45.2517, 55.4751,
43.6931

■ 1.7410, 2.8215,
1.1650

■ 61.9549, 74.8318,
60.8733

■ 0.4817, 1.0392,
0.0000

■ 82.3327, 98.2367,
82.0532

■ 0.0000, 0.0000,
0.0000

■ 106.7506,
126.0743, 107.6513

135.5739,

158.7288, 138.0860

169.1679,
196.5847, 173.7760

■ 13.5367, 17.8504,
11.9645

■ 13.5367, 17.8504,
11.9645

■ 12.0024, 17.1151,
9.3997

■ 15.3391, 18.7145,
15.0136

■ 10.7221, 16.5004,
7.2932

■ 17.4202, 19.7108,
18.5688

■ 9.6824, 16.0005,
5.6184


■ 19.7916, 20.8454,
22.6521


■ 8.8684, 15.6081,
4.3453


■ 22.4639, 22.1232,
27.2839


■ 8.2630, 15.3154,
3.4404


■ 25.4470, 23.5491,
32.4834


 7.8471, 15.1134,
2.8644

 28.7505, 25.1275,
38.2689

 7.5857, 14.9865,
2.4929

 32.3837, 26.8628,
44.6579

 36.3553, 28.7592,
51.6671

 40.6737, 30.8207,
59.3127

Harmonies

Analogous

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



15.3447, 17.8504, 9.2248



13.5367, 17.8504, 11.9645



12.6734, 17.8504, 17.2666

Triad

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



13.5367, 17.8504, 11.9645



16.1908, 17.8504, 36.3141



21.8501, 17.8504, 15.0201

Complementary

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



13.5367, 17.8504, 11.9645



15.4246, 12.6972, 21.3774

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.



22.1332, 17.8504, 21.7800



13.5367, 17.8504, 11.9645



18.6982, 17.8504, 35.2895

Square

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



13.5367, 17.8504, 11.9645



14.1040, 17.8504, 32.0379



20.9311, 17.8504, 29.5080



20.1917, 17.8504, 10.6664

Rectangle

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



13.5367, 17.8504, 11.9645



12.6858, 17.8504, 22.0451



20.9311, 17.8504, 29.5080



22.1152, 17.8504, 17.0415

Sweetspot

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



13.5372, 17.8512, 11.9649



31.0360, 34.8727, 33.3253



17.4287, 19.2656, 12.0328



6.9503, 7.8800, 7.3928



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.5372, 17.8512, 11.9649



21.9715, 30.5307, 17.9513



13.9761, 17.9932, 15.7892



4.3051, 4.8337, 4.6262



7.7801, 15.3732, 2.5573



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.4246, 12.6972, 21.3774



25.8357, 19.9688, 37.2370



14.9180, 12.5449, 16.4352



4.4657, 4.3957, 5.4264



11.2581, 5.3575, 20.6907



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.5367, 17.8504, 11.9645 looks on a white 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

Black Background



This preview shows how the XYZ color 13.5367, 17.8504, 11.9645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

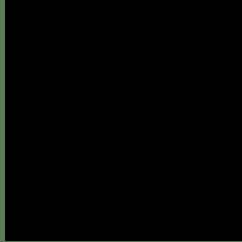
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.5367, 17.8504, 11.9645

Background



This preview shows how black text looks on a background with the XYZ color 13.5367, 17.8504, 11.9645.



This preview shows how white text looks on a background with the XYZ color 13.5367, 17.8504,

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

13.5367, 17.8504, 11.9645

Protanopia

16.5657, 17.7983, 10.9498

Deuteranopia

17.9990, 17.6620, 12.3580



Tritanopia

15.9036, 17.8831, 23.7327

Trichromacy



Original Color

13.5367, 17.8504, 11.9645

Protanomaly

15.1662, 17.5995, 11.1920

Deuteranomaly

15.9525, 17.4538, 12.2010

Tritanomaly

14.8968, 17.8366, 18.8773

Monochromacy



Original Color

13.5367, 17.8504, 11.9645

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.4025, 16.4131, 15.2409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5367, 17.8504, 11.9645 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(91, 126, 88)` looks like.

```
.text, #text, p{  
    color:rgb(91, 126, 88)  
}
```

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(91, 126, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 126, 88) }
```

Border

The CSS property to change the border of an element to XYZ 13.5367, 17.8504, 11.9645 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(91, 126, 88) }
```


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

```
.border{ border-color:rgb(91, 126, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 126, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 126, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 126, 88);  
box-shadow:4px 4px 4px 4px rgb(91, 126,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5367, 17.8504, 11.9645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 126, 88) }
```

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

```
.background{ background-color: rgb(91, 126,  
88) }
```

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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