

Converting Colors

XYZ(13.6513, 18.0906, 12.4452)

Have a look what the booklet for
XYZ(13.6513, 18.0906, 12.4452)
contains.

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Color

**XYZ(13.6513, 18.0906,
12.4452)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7F5A
RGB	90, 127, 90
RGB Percent	35%, 50%, 35%
CMY	0.6471, 0.5019, 0.6471
CMYK	0.29, 0.00, 0.29, 0.50
HSL	120°, 17%, 43%
HSV	120°, 29%, 50%
XYZ	13.6513, 18.0906, 12.4452
YIQ	111.7190, -10.1750, -19.3510

Conversions

Conversions Part 2

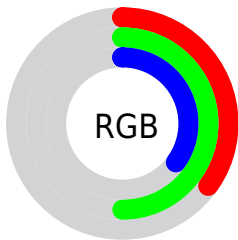
Format	Color
R_{YB}	90, 127, 127
Decimal	5930842
CIE _{Lab}	49.61, -20.94, 16.05
CIE _{LCh}	50, 26.382, 142.521
Yxy	18.0906, 0.3089, 0.4094
Android (android.graphics.Color)	4284120922 (0xFF5A7F5A)
YUV	111.7190, -10.7075, -19.0476
Hunter-Lab	42.5330, -17.1419, 12.4248

Details

The XYZ color **13.6513, 18.0906, 12.4452** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2400, 13.3571, 21.8017**, and the grayscale version is **15.3517, 16.1511, 17.5886**.

A 20% lighter version of the original color is **32.0394, 40.1987, 30.8814**, and **4.1339, 6.1229, 3.3468** is the 20% darker color. If you saturate the color by 10%, you get **12.0248, 17.3099, 9.7844**, and if you desaturate by 10%, it is **15.5822, 19.0187, 15.6032**.

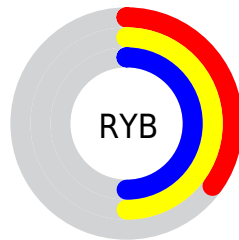
Distribution



Red (35%)

Green (50%)

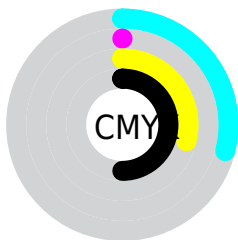
Blue (35%)



Red (35%)

Yellow (50%)

Blue (50%)

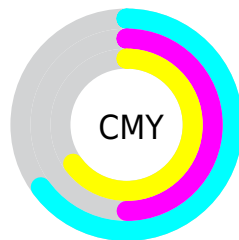


Cyan (29%)

Magenta (0%)

Yellow (29%)

Black (50%)



Cyan (65%)


Magenta (50%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6513, 18.0906, 12.4452 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 13.6513, 18.0906, 12.4452 by changing the saturation by 10% instead.


 13.6513, 18.0906,
12.4452


 13.6513, 18.0906,
12.4452


208.6049,
241.3812, 218.4122


 7.9586, 11.0151,
6.9214


 32.0605, 40.1916,
30.9798


 4.1201, 6.0770,
3.3353

 45.5077, 55.9859,
44.8278


 1.7703, 2.8919,
1.2683

 62.2704, 75.4553,
62.2875

 0.4997, 1.0756,
0.0356

 82.7141, 98.9840,
83.7776

 0.0000, 0.0000,
0.0000

 107.2040,
126.9566, 109.7166

136.1056,

159.7574, 140.5230

169.7841,
197.7708, 176.6154

■ 13.6513, 18.0906,
12.4452

■ 13.6513, 18.0906,
12.4452

■ 12.0248, 17.3099,
9.7844

■ 15.5822, 19.0187,
15.6032

■ 10.6859, 16.6667,
7.5944

■ 17.8305, 20.0986,
19.2807

■ 9.6184, 16.1539,
5.8482

■ 20.4101, 21.3377,
23.5000

■ 8.8036, 15.7625,
4.5154

■ 23.3335, 22.7420,
28.2818

■ 8.2207, 15.4825,
3.5620

■ 26.6129, 24.3173,
33.6458

■ 7.8457, 15.3024,
2.9486

■ 30.2596, 26.0689,
39.6105

■ 7.6095, 15.1890,
2.5623

■ 34.2844, 28.0023,
46.1939

■ 7.5897, 15.1795,
2.5300

■ 38.6980, 30.1223,
53.4129

■ 43.5102, 32.4339,
61.2841

Harmonies

Analogous

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



15.4164, 18.0906, 9.5121



13.6513, 18.0906, 12.4452



12.8508, 18.0906, 17.9575

Triad

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



13.6513, 18.0906, 12.4452



16.5757, 18.0906, 36.7665



22.0341, 18.0906, 14.8761

Complementary

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



13.6513, 18.0906, 12.4452



16.2400, 13.3571, 21.8017

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.



22.4210, 18.0906, 21.5466



13.6513, 18.0906, 12.4452



19.1045, 18.0906, 35.3689

Square

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



13.6513, 18.0906, 12.4452



14.4294, 18.0906, 32.7843



21.3033, 18.0906, 29.3303



20.2922, 18.0906, 10.6596

Rectangle

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



13.6513, 18.0906, 12.4452



12.9115, 18.0906, 22.8392



21.3033, 18.0906, 29.3303



22.3334, 18.0906, 16.8581

Sweetspot

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



13.6518, 18.0914, 12.4456



31.8946, 35.9739, 34.4696



18.1880, 20.4299, 12.6578



7.3417, 8.3621, 7.8646



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.



13.6518, 18.0914, 12.4456



22.4361, 31.4305, 18.9986



14.5398, 18.4466, 17.1220



4.2760, 4.8187, 4.6249



7.6541, 15.3082, 2.5514



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.2400, 13.3571, 21.8017



27.8684, 21.4938, 38.6358



15.1426, 12.9181, 16.0231



4.4982, 4.4124, 5.4279



12.6904, 6.0958, 20.7571



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6513, 18.0906, 12.4452 looks on a white background.

Color Contrast Check

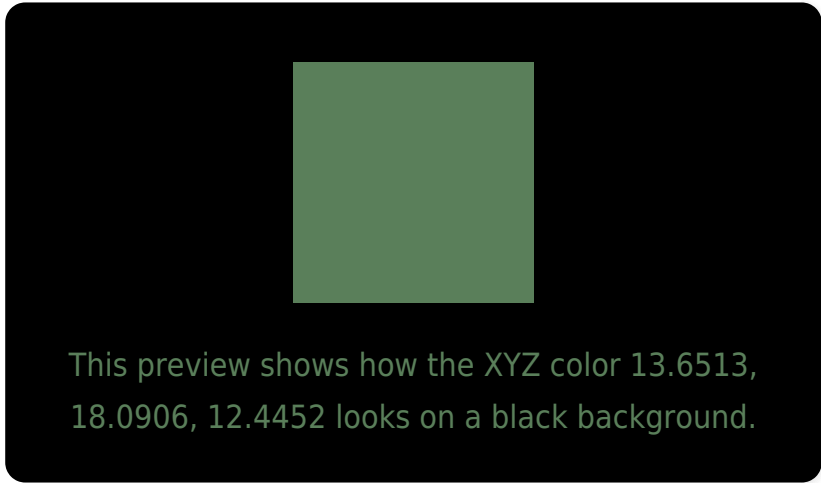
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.6513, 18.0906, 12.4452

Background



This preview shows how black text looks on a background with the XYZ color 13.6513, 18.0906, 12.4452.



This preview shows how white text looks on a background with the XYZ color 13.6513, 18.0906,

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

13.6513, 18.0906, 12.4452

Protanopia

16.6452, 17.8301, 11.3684

Deuteranopia

18.1974, 17.9189, 12.8555



Tritanopia

15.9860, 18.0991, 24.1237

Trichromacy



Original Color

13.6513, 18.0906, 12.4452

Protanomaly

15.3677, 17.8736, 11.6568

Deuteranomaly

16.1559, 17.7226, 12.6945

Tritanomaly

14.9761, 18.0559, 19.2188

Monochromacy



Original Color

13.6513, 18.0906, 12.4452

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.5689, 16.6651, 15.5455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6513, 18.0906, 12.4452 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(90, 127, 90)` looks like.

```
.text, #text, p{  
    color:rgb(90, 127, 90)  
}
```

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(90, 127, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 127, 90) }
```

Border

The CSS property to change the border of an element to XYZ 13.6513, 18.0906, 12.4452 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(90, 127, 90) }
```


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

```
.border{ border-color:rgb(90, 127, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 127, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 127, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 127, 90);  
box-shadow:4px 4px 4px 4px rgb(90, 127,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6513, 18.0906, 12.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 127, 90) }
```

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

```
.background{ background-color: rgb(90, 127,  
90) }
```

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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