

Converting Colors

XYZ(13.4201, 18.1065, 10.6907)

Have a look what the booklet for
XYZ(13.4201, 18.1065, 10.6907)
contains.

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Color

**XYZ(13.4586, 18.2212,
10.7903)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8052
RGB	90, 128, 82
RGB Percent	35%, 50%, 32%
CMY	0.6471, 0.4980, 0.6784
CMYK	0.30, 0.00, 0.36, 0.50
HSL	110°, 22%, 41%
HSV	110°, 36%, 50%
XYZ	13.4586, 18.2212, 10.7903
YIQ	111.3940, -7.8820, -22.3620

Conversions

Conversions Part 2

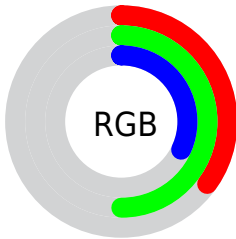
Format	Color
R_{YB}	82, 128, 120
Decimal	5931090
CIE _{Lab}	49.76, -22.85, 20.83
CIE _{LCh}	50, 30.923, 137.648
Yxy	18.2212, 0.3169, 0.4290
Android (android.graphics.Color)	4284121170 (0xFF5A8052)
YUV	111.3940, -14.4912, -18.7625
Hunter-Lab	42.6863, -18.4216, 14.8930

Details

The XYZ color **13.4586, 18.2212, 10.7903** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6601, 11.5867, 21.8868**, and the grayscale version is **15.2669, 16.0620, 17.4915**.

A 20% lighter version of the original color is **31.6732, 40.3764, 27.9539**, and **4.0693, 6.2116, 2.6535** is the 20% darker color. If you saturate the color by 10%, you get **12.0600, 17.5518, 8.4152**, and if you desaturate by 10%, it is **15.0954, 19.0039, 13.6517**.

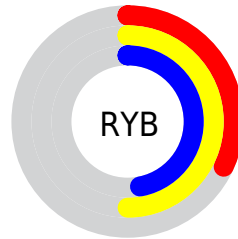
Distribution



Red (35%)

Green (50%)

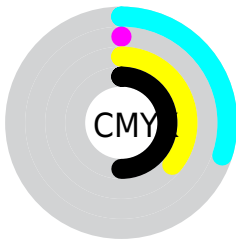
Blue (32%)



Red (32%)

Yellow (50%)

Blue (47%)

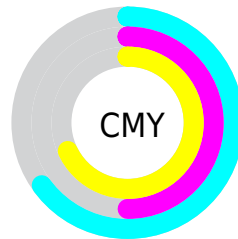


Cyan (30%)

Magenta (0%)

Yellow (36%)

Black (50%)



Cyan (65%)

Magenta (50%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4586, 18.2212, 10.7903 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 13.4586, 18.2212, 10.7903 by changing the saturation by 10% instead.

■ 13.4586, 18.2212,
10.7903

■ 13.4586, 18.2212,
10.7903

207.4150,
242.1149, 206.9087

■ 7.8243, 11.1089,
5.8136

■ 31.7196, 40.4139,
27.9024

■ 4.0336, 6.1401,
2.6651

■ 45.0770, 56.2631,
40.8750

■ 1.7211, 2.9305,
0.9258

■ 61.7394, 75.7934,
57.3499

■ 0.4694, 1.0955,
0.0000

■ 82.0723, 99.3891,
77.7457

■ 0.0000, 0.0000,
0.0000

■ 106.4409,
127.4348, 102.4809

135.2107,

160.3147, 131.9741

168.7469,
198.4133, 166.6439

■ 13.4586, 18.2212,
10.7903

■ 13.4586, 18.2212,
10.7903

■ 12.0600, 17.5518,
8.4152

■ 15.0954, 19.0039,
13.6517

■ 10.8869, 16.9883,
6.4982

■ 16.9795, 19.9025,
17.0231

■ 9.9278, 16.5258,
5.0102


■ 19.1211, 20.9224,
20.9281


■ 9.1692, 16.1581,
3.9181


■ 21.5296, 22.0677,
25.3884


■ 8.5963, 15.8784,
3.1840


■ 24.2137, 23.3428,
30.4246


 8.1883, 15.6775,
2.7438

 27.1819, 24.7513,
36.0561

 8.0561, 15.6126,
2.5889

 30.4421, 26.2972,
42.3016

 34.0023, 27.9840,
49.1788

 37.8697, 29.8151,
56.7047

Harmonies

Analogous

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



15.6566, 18.2212, 8.0430



13.4586, 18.2212, 10.7903



12.3510, 18.2212, 16.5660

Triad

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



13.4586, 18.2212, 10.7903



16.1343, 18.2212, 40.2963



23.3009, 18.2212, 15.3143

Complementary

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



13.4586, 18.2212, 10.7903



14.6601, 11.5867, 21.8868

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.



23.4664, 18.2212, 23.5188



13.4586, 18.2212, 10.7903



19.0945, 18.2212, 39.6769

Square

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



13.4586, 18.2212, 10.7903



13.7740, 18.2212, 34.4163



21.8542, 18.2212, 32.9078



21.4246, 18.2212, 10.0990

Rectangle

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



13.4586, 18.2212, 10.7903



12.2866, 18.2212, 22.0794



21.8542, 18.2212, 32.9078



23.5655, 18.2212, 17.7570

Sweetspot

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



13.4591, 18.2220, 10.7907



31.6026, 35.8540, 33.0720



17.0903, 18.5282, 10.6584



7.3021, 8.3482, 7.5665



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.



13.4591, 18.2220, 10.7907



21.6806, 31.1162, 15.5657



13.3369, 18.0880, 13.9924



4.3404, 4.8519, 4.6279



7.9888, 15.4807, 2.5670



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6601, 11.5867, 21.8868



24.1096, 17.6416, 38.0907



14.9251, 11.8263, 17.2477



4.4271, 4.3758, 5.4245



9.7279, 4.5686, 20.6191



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4586, 18.2212, 10.7903 looks on a white background.

Color Contrast Check

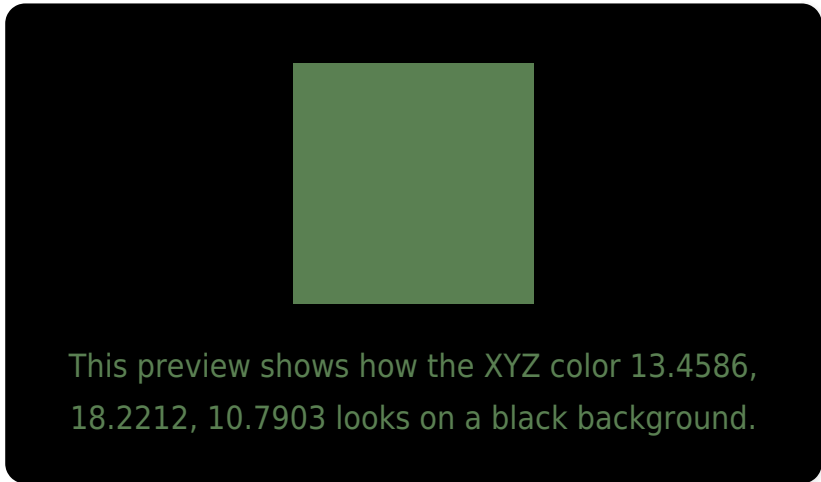
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4586, 18.2212, 10.7903

Background



This preview shows how black text looks on a background with the XYZ color 13.4586, 18.2212, 10.7903.



This preview shows how white text looks on a background with the XYZ color 13.4586, 18.2212,

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

13.4586, 18.2212, 10.7903

Protanopia

16.7557, 18.0961, 9.8175

Deuteranopia

18.3600, 18.0416, 11.1090



Tritanopia

16.2700, 18.2377, 24.4925

Trichromacy



Original Color

13.4586, 18.2212, 10.7903

Protanomaly

15.3102, 18.0610, 10.0763

Deuteranomaly

16.1047, 17.7345, 10.9618

Tritanomaly

15.0688, 18.1170, 18.6223

Monochromacy



Original Color

13.4586, 18.2212, 10.7903

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2551, 16.5262, 14.4952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4586, 18.2212, 10.7903 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, 128, 82)` looks like.

```
.text, #text, p{  
    color:rgb(90, 128, 82)  
}
```

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, 128, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 128, 82) }
```

Border

The CSS property to change the border of an element to XYZ 13.4586, 18.2212, 10.7903 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, 128, 82) }
```


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

```
.border{ border-color:rgb(90, 128, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 128, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 128, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 128, 82);  
box-shadow:4px 4px 4px 4px rgb(90, 128,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4586, 18.2212, 10.7903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 128, 82) }
```

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

```
.background{ background-color: rgb(90, 128,  
82) }
```

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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