

Converting Colors

XYZ(9.1678, 12.9706, 10.8245)

Have a look what the booklet for
XYZ(9.1678, 12.9706, 10.8245)
contains.

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Color

**XYZ(9.1678, 12.9706,
10.8245)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6F56
RGB	59, 111, 86
RGB Percent	23%, 44%, 34%
CMY	0.7686, 0.5647, 0.6627
CMYK	0.47, 0.00, 0.23, 0.56
HSL	151°, 31%, 33%
HSV	151°, 47%, 44%
XYZ	9.1678, 12.9706, 10.8245
YIQ	92.6020, -22.9670, -18.7990

Conversions

Conversions Part 2

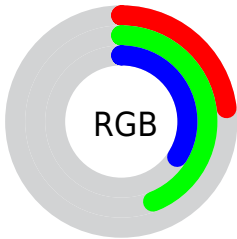
Format	Color
RYB	59, 93, 111
Decimal	3895126
CIELab	42.72, -23.79, 8.59
CIElCh	43, 25.297, 160.151
Yxy	12.9706, 0.2781, 0.3935
Android (android.graphics.Color)	4282085206 (0xFF3B6F56)
YUV	92.6020, -3.2548, -29.4690
Hunter-Lab	36.0147, -17.5873, 7.3902

Details

The XYZ color **9.1678, 12.9706, 10.8245** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.7202, 7.1478, 9.2554**, and the grayscale version is **10.3233, 10.8609, 11.8275**.

A 20% lighter version of the original color is **23.8478, 31.2232, 28.0623**, and **2.2529, 3.7538, 2.7036** is the 20% darker color. If you saturate the color by 10%, you get **8.3716, 12.5844, 9.7065**, and if you desaturate by 10%, it is **10.1207, 13.4364, 12.0342**.

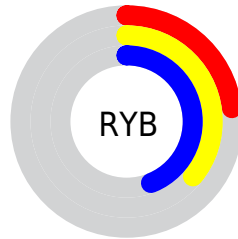
Distribution



Red (23%)

Green (44%)

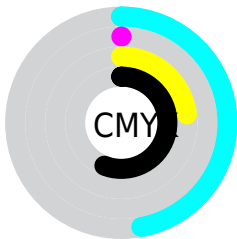
Blue (34%)



Red (23%)

Yellow (36%)

Blue (44%)

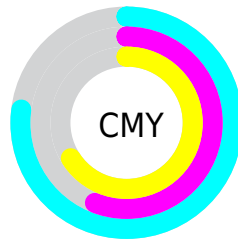


Cyan (47%)

Magenta (0%)

Yellow (23%)

Black (56%)



Cyan (77%)

Magenta (56%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.1678, 12.9706, 10.8245 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 9.1678, 12.9706, 10.8245 by changing the saturation by 10% instead.

■ 9.1678, 12.9706,
10.8245

■ 9.1678, 12.9706,
10.8245

178.8055,
210.7292, 207.1536

■ 4.9088, 7.4083,
5.8363

■ 23.8821, 31.2510,
27.9669

■ 2.2280, 3.7187,
2.6786

■ 35.0681, 44.7378,
40.9580

■ 0.7575, 1.5175,
0.9326

■ 49.2938, 61.6350,
57.4540

■ 0.0000, 0.3010,
0.0000

■ 66.9246, 82.3268,
77.8732

■ 0.0000, 0.0000,
0.0000

■ 88.3258, 107.1978,
102.6342

■ 113.8628,

136.6322, 132.1556

143.9009,
171.0146, 166.8558

■ 9.1678, 12.9706,
10.8245

■ 9.1678, 12.9706,
10.8245

■ 8.3716, 12.5844,
9.7065

■ 10.1207, 13.4364,
12.0342

■ 7.7217, 12.2715,
8.6772

■ 11.2379, 13.9846,
13.3369

■ 7.2083, 12.0271,
7.7344

■ 12.5274, 14.6198,
14.7350

■ 6.8194, 11.8453,
6.8756

■ 13.9967, 15.3457,
16.2305

■ 6.5262, 11.7110,
6.0974

■ 15.6526, 16.1657,
17.8253

■ 6.4391, 11.6712,
5.8678

■ 17.5017, 17.0834,
19.5213

■ 19.5502, 18.1017,
21.3204

■ 21.8041, 19.2238,
23.2243

■ 24.2689, 20.4526,
25.2347

Harmonies

Analogous

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



10.0949, 12.9706, 7.4779



9.1678, 12.9706, 10.8245



9.0357, 12.9706, 16.0721

Triad

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



9.1678, 12.9706, 10.8245



12.9912, 12.9706, 27.3172



15.3750, 12.9706, 8.3371

Complementary

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



9.1678, 12.9706, 10.8245



9.7202, 7.1478, 9.2554

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.



16.3367, 12.9706, 12.3378



9.1678, 12.9706, 10.8245



14.8687, 12.9706, 23.8586

Square

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



9.1678, 12.9706, 10.8245



11.1151, 12.9706, 26.6044



16.1423, 12.9706, 18.0310



13.6264, 12.9706, 6.3220

Rectangle

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



9.1678, 12.9706, 10.8245



9.4000, 12.9706, 20.1357



16.1423, 12.9706, 18.0310



15.8089, 12.9706, 9.4447

Sweetspot

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



9.1682, 12.9711, 10.8248



23.0497, 26.4833, 27.0283



10.1424, 13.5762, 6.2237



5.4338, 6.3112, 6.3856



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.1682, 12.9711, 10.8248



14.9031, 22.4915, 17.2505



10.2636, 13.2587, 17.0578



3.4106, 3.7894, 3.9686



7.5742, 13.7472, 6.8446



37.2925, 68.3056, 31.7891

Inverse Universe

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



9.7202, 7.1478, 9.2554



16.0222, 10.6942, 14.0748



8.9542, 6.9133, 5.0003



3.4451, 3.4257, 3.8704



8.4791, 4.2840, 4.3327



41.8064, 21.1679, 19.3104

Previews

White Background



This preview shows how the XYZ color 9.1678, 12.9706, 10.8245 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 9.1678, 12.9706, 10.8245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

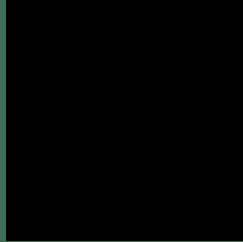
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.1678, 12.9706, 10.8245

Background



This preview shows how black text looks on a background with the XYZ color 9.1678, 12.9706, 10.8245.



This preview shows how white text looks on a background with the XYZ color 9.1678, 12.9706, 10.8245.

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

9.1678, 12.9706, 10.8245

Protanopia

12.1058, 12.8342, 9.6238

Deuteranopia

13.0173, 12.8481, 11.2450



Tritanopia

10.7248, 12.9696, 18.4611

Trichromacy



Original Color

9.1678, 12.9706, 10.8245

Protanomaly

10.7281, 12.6988, 10.0693

Deuteranomaly

11.1289, 12.5870, 11.0755

Tritanomaly

10.0267, 12.8350, 15.3135

Monochromacy



Original Color

9.1678, 12.9706, 10.8245

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.7960, 11.6019, 11.3959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.1678, 12.9706, 10.8245 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(59, 111, 86)` looks like.

```
.text, #text, p{  
    color:rgb(59, 111, 86)  
}
```

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(59, 111, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 111, 86) }
```

Border

The CSS property to change the border of an element to XYZ 9.1678, 12.9706, 10.8245 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(59, 111, 86) }
```


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

```
.border{ border-color:rgb(59, 111, 86) }
```

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

Here you see how a box with a 4 pixel rgb(59, 111, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 111, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 111, 86);  
box-shadow:4px 4px 4px 4px rgb(59, 111,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 9.1678, 12.9706, 10.8245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 111, 86) }
```

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

```
.background{ background-color: rgb(59, 111,  
86) }
```

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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