

Converting Colors

XYZ(9.7856, 11.5674, 9.2227)

Have a look what the booklet for
XYZ(9.7856, 11.5674, 9.2227)
contains.

XYZ(9.7476, 11.4813, 9.2918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.7476, 11.4813,
9.2918)**

Conversions

Conversions Part 1

Format	Color
Hex	566350
RGB	86, 99, 80
RGB Percent	34%, 39%, 31%
CMY	0.6627, 0.6118, 0.6863
CMYK	0.13, 0.00, 0.19, 0.61
HSL	101°, 11%, 35%
HSV	101°, 19%, 39%
XYZ	9.7476, 11.4813, 9.2918
YIQ	92.9470, -1.6490, -8.6650

Conversions

Conversions Part 2

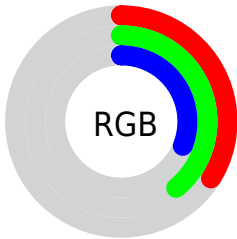
Format	Color
R_{YB}	80, 99, 93
Decimal	5661520
CIE Lab	40.38, -8.98, 9.15
CIE LCh	40, 12.820, 134.438
Yxy	11.4813, 0.3194, 0.3762
Android (android.graphics.Color)	4283851600 (0xFF566350)
YUV	92.9470, -6.3829, -6.0925
Hunter-Lab	33.8841, -7.9471, 7.4601

Details

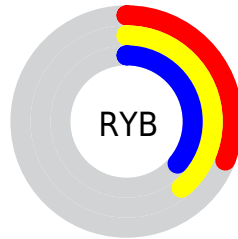
The XYZ color **9.7476, 11.4813, 9.2918** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.6354, 8.9656, 13.0276**, and the grayscale version is **10.4071, 10.9491, 11.9235**.

A 20% lighter version of the original color is **25.0221, 28.6319, 24.9766**, and **2.4458, 3.0487, 2.0497** is the 20% darker color. If you saturate the color by 10%, you get **8.8141, 11.0396, 7.4773**, and if you desaturate by 10%, it is **10.7948, 11.9760, 11.3935**.

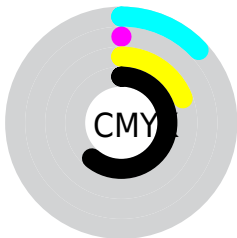
Distribution



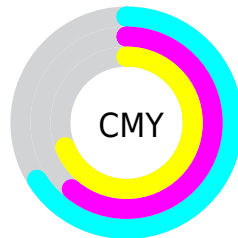
- Red (34%)
- Green (39%)
- Blue (31%)



- Red (31%)
- Yellow (39%)
- Blue (36%)



- Cyan (13%)
- Magenta (0%)
- Yellow (19%)
- Black (61%)



- Cyan (66%)
- Magenta (61%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7476, 11.4813, 9.2918 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 9.7476, 11.4813, 9.2918 by changing the saturation by 10% instead.

■ 9.7476, 11.4813,
9.2918

■ 9.7476, 11.4813,
9.2918

182.9526,
200.9404, 195.8375

■ 5.2929, 6.3915,
4.8326

■ 24.9737, 28.5468,
25.0413

■ 2.4566, 3.0846,
2.0924

■ 36.4758, 41.2913,
37.1687

■ 0.8734, 1.1761,
0.6112

■ 51.0577, 57.3563,
52.6891

■ 0.0000, 0.0420,
0.0000

■ 69.0849, 77.1260,
72.0213

■ 0.0000, 0.0000,
0.0000

■ 90.9226, 100.9848,
95.5837

116.9362,

129.3173, 123.7948

147.4911,
162.5077, 157.0733

■ 9.7476, 11.4813,
9.2918

■ 9.7476, 11.4813,
9.2918

■ 8.8141, 11.0396,
7.4773

■ 10.7948, 11.9760,
11.3935

■ 7.9894, 10.6477,
5.9369

■ 11.9585, 12.5241,
13.7934

■ 7.2695, 10.3041,
4.6574

■ 13.2426, 13.1274,
16.5027

■ 6.6499, 10.0070,
3.6244

■ 14.6507, 13.7877,
19.5320

■ 6.1258, 9.7540,
2.8219

■ 16.1858, 14.5063,
22.8912

■ 5.6917, 9.5428,
2.2321

■ 17.8514, 15.2848,
26.5899

■ 5.3417, 9.3708,
1.8348

■ 19.6503, 16.1245,
30.6372

■ 5.0562, 9.2299,
1.5380

■ 21.5855, 17.0266,
35.0420

■ 5.0351, 9.2195,
1.5142

■ 23.6599, 17.9926,
39.8128

Harmonies

Analogous

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



10.4877, 11.4813, 8.2971



9.7476, 11.4813, 9.2918



9.3321, 11.4813, 11.2207

Triad

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



9.7476, 11.4813, 9.2918



10.4558, 11.4813, 17.8968



12.6720, 11.4813, 11.3081

Complementary

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



9.7476, 11.4813, 9.2918



9.6354, 8.9656, 13.0276

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.



12.6623, 11.4813, 13.8756



9.7476, 11.4813, 9.2918



11.3489, 11.4813, 17.9288

Square

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



9.7476, 11.4813, 9.2918



9.7254, 11.4813, 16.2937



12.1670, 11.4813, 16.3756



12.1928, 11.4813, 9.3482

Rectangle

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



9.7476, 11.4813, 9.2918



9.2798, 11.4813, 12.8878



12.1670, 11.4813, 16.3756



12.7266, 11.4813, 12.1223

Sweetspot

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



9.7479, 11.4818, 9.2921



19.0989, 20.8176, 20.7332



10.5069, 11.0581, 9.1703



4.5221, 4.9399, 4.8920



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



9.7479, 11.4818, 9.2921



15.9828, 19.3462, 14.4904



9.3505, 11.2617, 9.9629



2.6108, 2.8907, 2.7645



6.5241, 11.9974, 1.9719



34.0278, 63.6675, 10.4956

Inverse Universe

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



9.6354, 8.9656, 13.0276



15.7514, 14.1819, 22.1571



10.1038, 9.2259, 12.1988



2.5975, 2.5916, 3.2086



5.9779, 2.7426, 15.6020



30.9955, 14.1670, 83.3055

Previews

White Background



This preview shows how the XYZ color 9.7476, 11.4813, 9.2918 looks on a white background.

Color Contrast Check

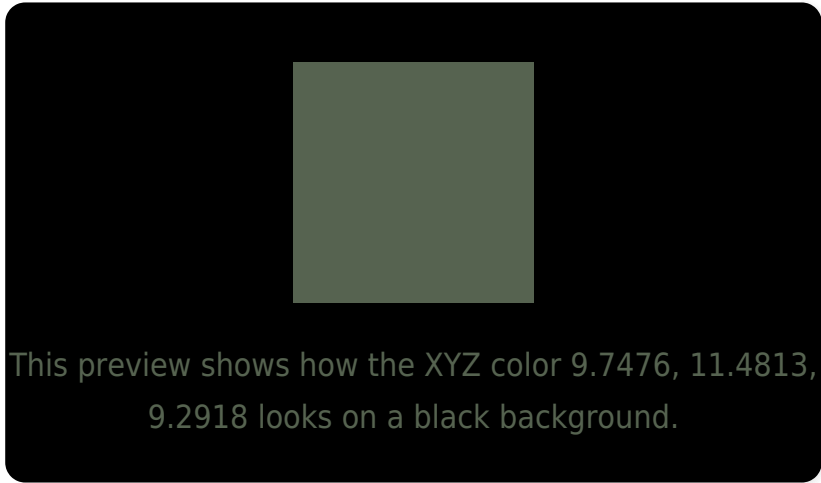
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

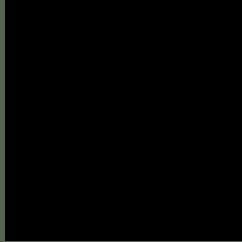
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.7476, 11.4813, 9.2918

Background



This preview shows how black text looks on a background with the XYZ color 9.7476, 11.4813, 9.2918.

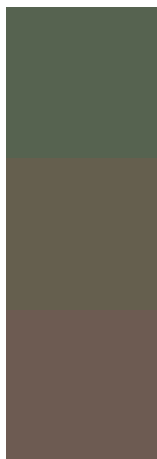


This preview shows how white text looks on a background with the XYZ color 9.7476, 11.4813, 9.2918.

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

9.7476, 11.4813, 9.2918

Protanopia

10.8342, 11.5012, 8.8567

Deuteranopia

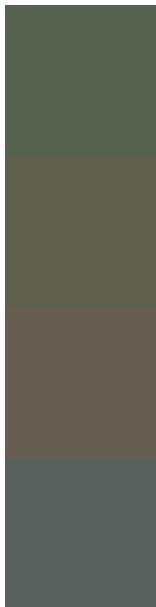
11.5708, 11.3426, 9.5621



Tritanopia

10.8475, 11.5187, 14.4836

Trichromacy



Original Color

9.7476, 11.4813, 9.2918

Protanomaly

10.4180, 11.4171, 9.0518

Deuteranomaly

10.8547, 11.3662, 9.4064

Tritanomaly

10.4601, 11.4995, 12.4948

Monochromacy



Original Color

9.7476, 11.4813, 9.2918

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.0701, 11.0627, 10.8371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7476, 11.4813, 9.2918 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(86, 99, 80) looks like.

```
.text, #text, p{  
    color:rgb(86, 99, 80)  
}
```

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(86, 99, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 99, 80) }
```

Border

The CSS property to change the border of an element to XYZ 9.7476, 11.4813, 9.2918 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(86, 99, 80) }
```


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

```
.border{ border-color:rgb(86, 99, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 99, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 99, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 99, 80);  
box-shadow:4px 4px 4px 4px rgb(86, 99, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.7476, 11.4813, 9.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 99, 80) }
```

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

```
.background{ background-color: rgb(86, 99,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor