

Converting Colors

XYZ(7.5638, 9.8535, 7.0452)

Have a look what the booklet for
XYZ(7.5638, 9.8535, 7.0452)
contains.

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Color

XYZ(7.5195, 9.8307, 6.9700)

Conversions

Conversions Part 1

Format	Color
Hex	445F44
RGB	68, 95, 68
RGB Percent	27%, 37%, 27%
CMY	0.7333, 0.6274, 0.7333
CMYK	0.28, 0.00, 0.28, 0.63
HSL	120°, 17%, 32%
HSV	120°, 28%, 37%
XYZ	7.5195, 9.8307, 6.9700
YIQ	83.8490, -7.4250, -14.1210

Conversions

Conversions Part 2

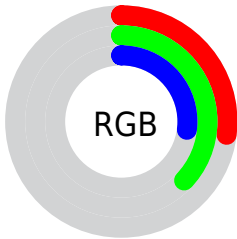
Format	Color
RYB	68, 95, 95
Decimal	4480836
CIELab	37.54, -16.12, 12.30
CIELCh	38, 20.274, 142.653
Yxy	9.8307, 0.3092, 0.4042
Android (android.graphics.Color)	4282670916 (0xFF445F44)
YUV	83.8490, -7.8136, -13.8996
Hunter-Lab	31.3539, -12.0604, 8.7676

Details

The XYZ color **7.5195, 9.8307, 6.9700** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.8523, 7.3936, 11.7875**, and the grayscale version is **8.4126, 8.8507, 9.6384**.

A 20% lighter version of the original color is **20.7674, 25.6006, 20.3699**, and **1.6271, 2.4490, 1.3066** is the 20% darker color. If you saturate the color by 10%, you get **6.6431, 9.4100, 5.5363**, and if you desaturate by 10%, it is **8.5509, 10.3264, 8.6568**.

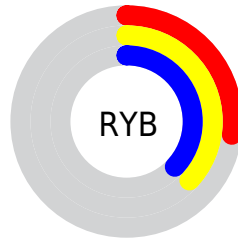
Distribution



Red (27%)

Green (37%)

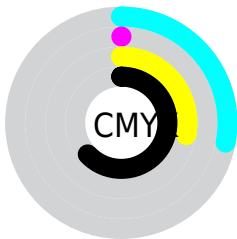
Blue (27%)



Red (27%)

Yellow (37%)

Blue (37%)

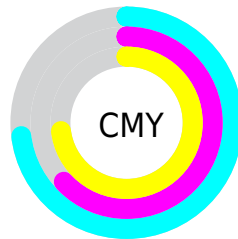


Cyan (28%)

Magenta (0%)

Yellow (28%)

Black (63%)



Cyan (73%)

Magenta (63%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.5195, 9.8307, 6.9700 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 7.5195, 9.8307, 6.9700 by changing the saturation by 10% instead.

7.5195, 9.8307,
6.9700

7.5195, 9.8307,
6.9700

166.3655,
189.4594, 177.0357

3.8383, 5.2869,
3.3652

20.7055, 25.4766,
20.4247

1.6110, 2.4165,
1.2840

30.9409, 37.3474,
31.1116

0.3996, 0.8344,
0.0486

44.0918, 52.4293,
44.9963

0.0000, 0.0000,
0.0000

60.5235, 71.1068,
62.4974

80.6014, 93.7641,
84.0333

104.6908,

120.7857, 110.0226

133.1570,
152.5560, 140.8839

■ 7.5195, 9.8307,
6.9700

■ 7.5195, 9.8307,
6.9700

■ 6.6431, 9.4100,
5.5363

■ 8.5509, 10.3264,
8.6568

■ 5.9134, 9.0595,
4.3428

■ 9.7433, 10.8992,
10.6073

■ 5.3227, 8.7758,
3.3765

■ 11.1037, 11.5526,
12.8324

■ 4.8622, 8.5545,
2.6232

■ 12.6380, 12.2897,
15.3421

■ 4.5219, 8.3911,
2.0667

■ 14.3522, 13.1131,
18.1461

■ 4.2908, 8.2801,
1.6887

■ 16.2519, 14.0256,
21.2533

■ 4.1194, 8.1977,
1.4083

■ 18.3423, 15.0297,
24.6726

■ 4.0924, 8.1848,
1.3641

■ 20.6285, 16.1279,
28.4122

■ 23.1156, 17.3226,
32.4803

Harmonies

Analogous

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



8.4270, 9.8307, 5.4251



7.5195, 9.8307, 6.9700



7.1079, 9.8307, 9.8271

Triad

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



7.5195, 9.8307, 6.9700



9.0324, 9.8307, 19.3338



11.8058, 9.8307, 8.2108

Complementary

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



7.5195, 9.8307, 6.9700



8.8523, 7.3936, 11.7875

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.



12.0054, 9.8307, 11.6315



7.5195, 9.8307, 6.9700



10.3248, 9.8307, 18.6216

Square

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



7.5195, 9.8307, 6.9700



7.9280, 9.8307, 17.3471



11.4416, 9.8307, 15.5782



10.9189, 9.8307, 6.0189

Rectangle

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



7.5195, 9.8307, 6.9700



7.1409, 9.8307, 12.3245



11.4416, 9.8307, 15.5782



11.9586, 9.8307, 9.2321

Sweetspot

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



7.5198, 9.8311, 6.9702



16.5032, 18.5782, 17.8662



9.8149, 10.9543, 7.0660



3.9029, 4.4269, 4.1967



48.1978, 50.7079, 55.2208



4.4639, 4.6964, 5.1144

Same Dimension

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



7.5198, 9.8311, 6.9702



11.8607, 16.3482, 10.2726



7.9635, 10.0086, 9.3068



2.5445, 2.8566, 2.7614



5.8163, 11.6325, 1.9388



31.0719, 62.1437, 10.3573

Inverse Universe

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



8.8523, 7.3936, 11.7875



14.5469, 11.4347, 19.9830



8.3078, 7.1758, 8.9201



2.6691, 2.6286, 3.2119



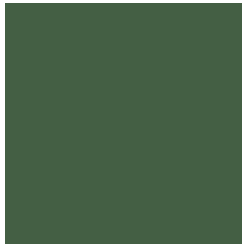
9.6432, 4.6321, 15.7735



51.5164, 24.7459, 84.2658

Previews

White Background



This preview shows how the XYZ color 7.5195, 9.8307, 6.9700 looks on a white background.

Color Contrast Check

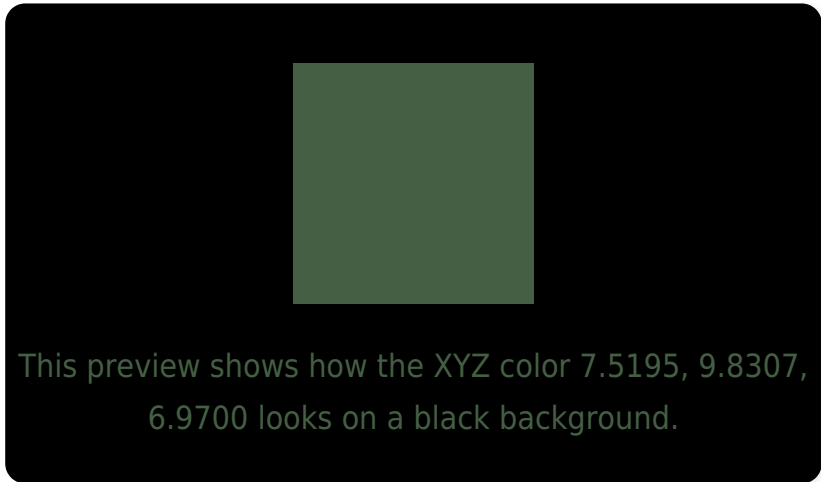
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

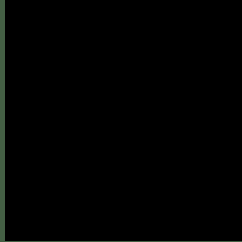
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.5195, 9.8307, 6.9700

Background



This preview shows how black text looks on a background with the XYZ color 7.5195, 9.8307, 6.9700.

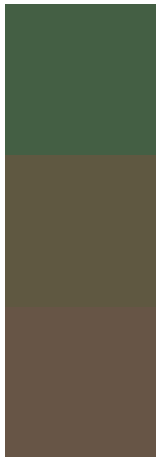


This preview shows how white text looks on a background with the XYZ color 7.5195, 9.8307, 6.9700.

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

7.5195, 9.8307, 6.9700

Protanopia

9.1632, 9.7940, 6.4085

Deuteranopia

9.9475, 9.8228, 7.1660



Tritanopia

8.6933, 9.7805, 12.9849

Trichromacy



Original Color

7.5195, 9.8307, 6.9700

Protanomaly

8.4708, 9.8068, 6.6007

Deuteranomaly

8.8630, 9.7481, 7.0447

Tritanomaly

8.1460, 9.6820, 10.4563

Monochromacy



Original Color

7.5195, 9.8307, 6.9700

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.0068, 9.1492, 8.5517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.5195, 9.8307, 6.9700 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(68, 95, 68) looks like.

```
.text, #text, p{  
    color:rgb(68, 95, 68)  
}
```

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(68, 95, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 95, 68) }
```

Border

The CSS property to change the border of an element to XYZ 7.5195, 9.8307, 6.9700 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(68, 95, 68) }
```

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

```
.border{ border-color:rgb(68, 95, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 95, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 95, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 95, 68);  
box-shadow:4px 4px 4px 4px rgb(68, 95, 68)  
}
```


Background

The CSS property to change the background color of an element to XYZ 7.5195, 9.8307, 6.9700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 95, 68) }
```

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

```
.background{ background-color: rgb(68, 95,  
68) }
```

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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