

Converting Colors

XYZ(7.3766, 12.4083, 9.6031)

Have a look what the booklet for
XYZ(7.3766, 12.4083, 9.6031)
contains.

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Color

**XYZ(7.3656, 12.3959,
9.5939)**

Conversions

Conversions Part 1

Format	Color
Hex	017150
RGB	1, 113, 80
RGB Percent	0%, 44%, 31%
CMY	0.9961, 0.5569, 0.6863
CMYK	0.99, 0.00, 0.29, 0.56
HSL	162°, 98%, 22%
HSV	162°, 99%, 44%
XYZ	7.3656, 12.3959, 9.5939
YIQ	75.7500, -56.1590, -34.0070

Conversions

Conversions Part 2

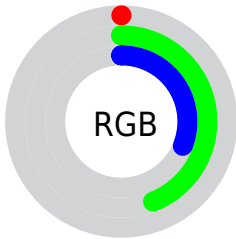
Format	Color
R_{YB}	1, 67, 113
Decimal	94544
CIE _{Lab}	41.84, -36.13, 10.72
CIE _{LCh}	42, 37.692, 163.469
Yxy	12.3959, 0.2509, 0.4223
Android (android.graphics.Color)	4278284624 (0xFF017150)
YUV	75.7500, 2.0952, -65.5558
Hunter-Lab	35.2078, -24.2708, 8.4893

Details

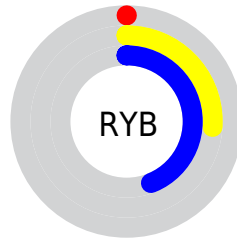
The XYZ color **7.3656, 12.3959, 9.5939** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7.1100, 3.6482, 1.8431**, and the grayscale version is **6.8278, 7.1834, 7.8227**.

A 20% lighter version of the original color is **20.4227, 30.3133, 25.5435**, and **2.1368, 3.7881, 2.2087** is the 20% darker color. If you saturate the color by 10%, you get **7.3425, 12.3855, 9.5362**, and if you desaturate by 10%, it is **7.6354, 12.5207, 10.2651**.

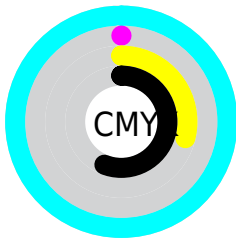
Distribution



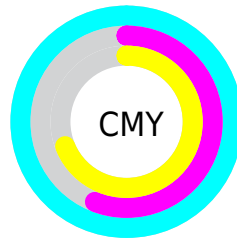
- Red (0%)
- Green (44%)
- Blue (31%)



- Red (0%)
- Yellow (26%)
- Blue (44%)



- Cyan (99%)
- Magenta (0%)
- Yellow (29%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.3656, 12.3959, 9.5939 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 7.3656, 12.3959, 9.5939 by changing the saturation by 10% instead.


 7.3656, 12.3959,
9.5939


 7.3656, 12.3959,
9.5939

165.1473,
207.0089, 198.1269


 3.7401, 7.0139,
5.0285


 20.4025, 30.2141,
25.6246


 1.5562, 3.4708,
2.2049

 30.5447, 43.4192,
37.9269


 0.3636, 1.3822,
0.6772

 43.5899, 60.0007,
53.6453

 0.0000, 0.2035,
0.0000


 59.9033, 80.3430,
73.1983


 0.0000, 0.0000,
0.0000


 79.8504, 104.8306,
97.0044


 103.7965,


133.8479, 125.4822


 132.1070,
167.7792, 159.0502


 7.3656, 12.3959,
9.5939


 7.3656, 12.3959,
9.5939


 7.3425, 12.3855,
9.5362

 7.6354, 12.5207,
10.2651

 7.9792, 12.6827,
10.9717

 8.4403, 12.9044,
11.7166

 9.0313, 13.1923,
12.5007

 9.7630, 13.5520,
13.3250

■ 10.6450, 13.9885,
14.1903

■ 11.6862, 14.5062,
15.0974

■ 12.8947, 15.1095,
16.0472

■ 14.2779, 15.8020,
17.0403

Harmonies

Analogous

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



8.4747, 12.3959, 5.1581



7.3656, 12.3959, 9.5939



7.3117, 12.3959, 17.3847

Triad

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



7.3656, 12.3959, 9.5939



13.0710, 12.3959, 34.5216



16.1013, 12.3959, 5.4687

Complementary

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



7.3656, 12.3959, 9.5939



7.1100, 3.6482, 1.8431

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.



17.7804, 12.3959, 10.2370



7.3656, 12.3959, 9.5939



15.8539, 12.3959, 27.9296

Square

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



7.3656, 12.3959, 9.5939



10.3259, 12.3959, 34.1272



17.6833, 12.3959, 18.3368



13.3688, 12.3959, 3.4994

Rectangle

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



7.3656, 12.3959, 9.5939



7.8627, 12.3959, 23.8187



17.6833, 12.3959, 18.3368



16.8256, 12.3959, 6.6939

Sweetspot

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



7.3659, 12.3964, 9.5942



20.5897, 25.8078, 26.7538



6.5906, 12.1633, 2.0292



4.6194, 5.8976, 6.0655



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.



7.3659, 12.3964, 9.5942



13.0892, 22.1545, 16.7686



6.7005, 8.6131, 16.9327



3.4351, 3.7992, 4.0976



8.3197, 14.0454, 10.7705



41.0535, 69.8101, 51.5947

Inverse Universe

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



7.1100, 3.6482, 1.8431



12.6414, 6.4653, 2.9233



7.1303, 4.1420, 0.4525



3.4212, 3.4162, 3.7448



8.0330, 4.1056, 1.9837



39.6800, 20.3173, 8.1132

Previews

White Background



This preview shows how the XYZ color 7.3656, 12.3959, 9.5939 looks on a white background.

Color Contrast Check

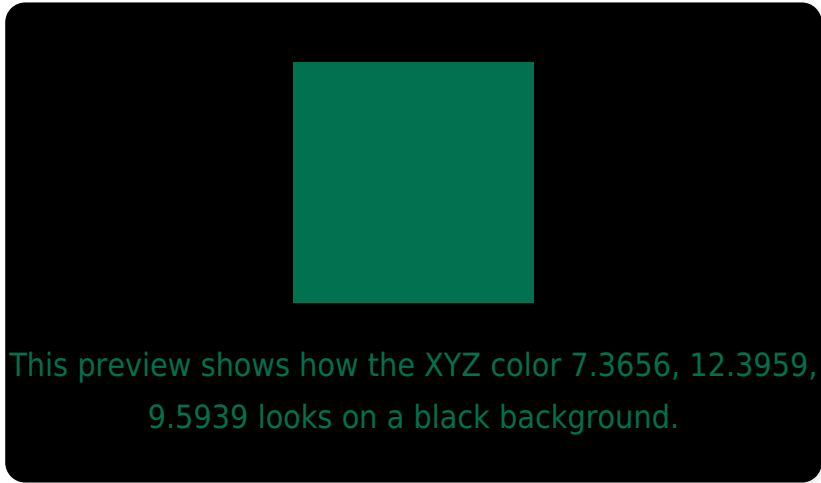
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.3656, 12.3959, 9.5939

Background



This preview shows how black text looks on a background with the XYZ color 7.3656, 12.3959, 9.5939.



This preview shows how white text looks on a background with the XYZ color 7.3656, 12.3959, 9.5939.

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

7.3656, 12.3959, 9.5939

Protanopia

11.5141, 12.2806, 8.0669

Deuteranopia

12.5025, 12.3352, 10.1095



Tritanopia

9.3728, 12.4215, 18.7332

Trichromacy



Original Color

7.3656, 12.3959, 9.5939

Protanomaly

8.5387, 11.4512, 8.5978

Deuteranomaly

8.9852, 11.5050, 9.9307

Tritanomaly

8.4755, 12.3580, 15.0353

Monochromacy



Original Color

7.3656, 12.3959, 9.5939

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

6.1786, 8.3335, 8.3041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.3656, 12.3959, 9.5939 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(1, 113, 80)` looks like.

```
.text, #text, p{  
    color:rgb(1, 113, 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(1, 113, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 113, 80) }
```

Border

The CSS property to change the border of an element to XYZ 7.3656, 12.3959, 9.5939 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(1, 113, 80) }
```


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

```
.border{ border-color:rgb(1, 113, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 113, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 113, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 113, 80);  
box-shadow:4px 4px 4px 4px rgb(1, 113, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.3656, 12.3959, 9.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 113, 80) }
```

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

```
.background{ background-color: rgb(1, 113,  
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](#).

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