

Converting Colors

XYZ(11.9739, 6.0164, 7.6402)

Have a look what the booklet for
XYZ(11.9739, 6.0164, 7.6402)
contains.

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Color

**XYZ(11.9870, 6.0248,
7.5523)**

Conversions

Conversions Part 1

Format	Color
Hex	8B004D
RGB	139, 0, 77
RGB Percent	55%, 0%, 30%
CMY	0.4549, 0.9999, 0.6980
CMYK	0.00, 1.00, 0.45, 0.45
HSL	327°, 100%, 27%
HSV	327°, 100%, 55%
XYZ	11.9870, 6.0248, 7.5523
YIQ	50.3390, 58.1270, 53.4150

Conversions

Conversions Part 2

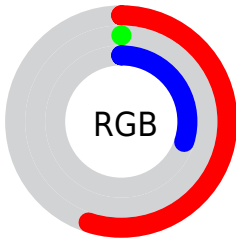
Format	Color
RYB	139, 0, 77
Decimal	9109581
CIELab	29.47, 54.73, -3.77
CIELCh	29, 54.859, 356.060
Yxy	6.0248, 0.4689, 0.2357
Android (android.graphics.Color)	4287299661 (0xFF8B004D)
YUV	50.3390, 13.1439, 77.7557
Hunter-Lab	24.5455, 44.2175, -1.0609

Details

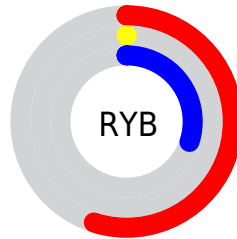
The XYZ color **11.9870, 6.0248, 7.5523** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.1028, 18.8133, 7.6588**, and the grayscale version is **3.0523, 3.2112, 3.4970**.

A 20% lighter version of the original color is **29.1092, 18.0114, 21.6810**, and **3.8418, 1.9488, 1.6125** is the 20% darker color. If you saturate the color by 10%, you get **11.9867, 6.0247, 7.5509**, and if you desaturate by 10%, it is **12.3725, 6.4285, 8.8131**.

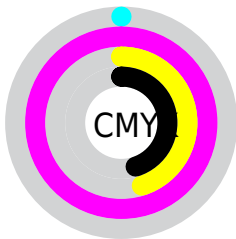
Distribution



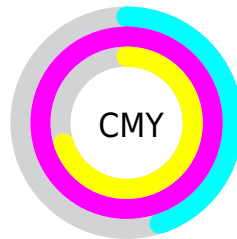
- Red (55%)
- Green (0%)
- Blue (30%)



- Red (55%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (45%)




- Cyan (45%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9870, 6.0248, 7.5523 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 11.9870, 6.0248, 7.5523 by changing the saturation by 10% instead.


 11.9870, 6.0248,
7.5523


 11.9870, 6.0248,
7.5523


198.0909,
159.2953, 181.9785


 6.8070, 2.8602,
3.7262


 29.0885, 17.9826,
21.6075


 3.3869, 1.0592,
1.4764

 41.7407, 27.5445,
32.6736


 1.3615, 0.0000,
0.2002

 57.6142, 40.0076,
46.9902

 0.2286, 0.0000,
0.0000

 77.0746, 55.7563,
64.9758

 0.0000, 0.0000,
0.0000

 100.4871, 75.1751,
87.0488

 128.2170, 98.6482,

113.6280

160.6299,
126.5602, 145.1317

11.9870, 6.0248,
7.5523

11.9870, 6.0248,
7.5523

11.9867, 6.0247,
7.5509

12.3725, 6.4285,
8.8131

12.8784, 7.0389,
10.2197

13.5585, 7.9621,
11.7928

14.4316, 9.2358,
13.5413

15.5145, 10.8919,
15.4731

■ 16.8216, 12.9591,
17.5955

■ 18.3663, 15.4631,
19.9152

■ 20.1607, 18.4274,
22.4386

■ 22.2162, 21.8740,
25.1716

Harmonies

Analogous

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



10.7131, 6.0248, 17.6424



11.9870, 6.0248, 7.5523



11.2226, 6.0248, 2.1796

Triad

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



11.9870, 6.0248, 7.5523



3.8632, 6.0248, 0.1075



3.4396, 6.0248, 25.8981

Complementary

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



11.9870, 6.0248, 7.5523



10.1028, 18.8133, 7.6588

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.



2.4021, 6.0248, 14.6592



11.9870, 6.0248, 7.5523



2.5920, 6.0248, 1.4842

Square

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



11.9870, 6.0248, 7.5523



6.0631, 6.0248, 0.0000



2.1444, 6.0248, 5.6586



5.4024, 6.0248, 32.1175

Rectangle

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



11.9870, 6.0248, 7.5523



9.7526, 6.0248, 0.7912



2.1444, 6.0248, 5.6586



2.9961, 6.0248, 22.3097

Sweetspot

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



11.9872, 6.0252, 7.5524



32.6934, 27.3684, 35.3774



6.5386, 2.8327, 24.6281



7.2865, 5.9042, 7.7874



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.9872, 6.0252, 7.5524



21.3818, 10.7554, 13.0779



10.6985, 5.5097, 0.7662



5.1412, 5.0919, 5.8320



10.8273, 5.4410, 6.8610



0.0793, 0.0391, 0.0845

Inverse Universe

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



11.9872, 6.0252, 7.5524



21.3818, 10.7554, 13.0779



13.2442, 20.0698, 24.2015



5.1412, 5.0919, 5.8320



10.8273, 5.4410, 6.8610



0.0793, 0.0391, 0.0845

Previews

White Background



This preview shows how the XYZ color 11.9870, 6.0248, 7.5523 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

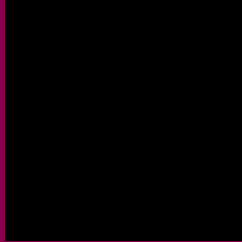
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9870, 6.0248, 7.5523

Background



This preview shows how black text looks on a background with the XYZ color 11.9870, 6.0248, 7.5523.



This preview shows how white text looks on a background with the XYZ color 11.9870, 6.0248,

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

11.9870, 6.0248, 7.5523

Protanopia

6.9902, 6.7122, 15.9661

Deuteranopia

6.6358, 6.5407, 6.8740



Tritanopia

11.0538, 6.3973, 1.9485

Trichromacy



Original Color

11.9870, 6.0248, 7.5523

Protanomaly

7.2536, 4.9295, 12.3736

Deuteranomaly

7.5078, 5.1245, 6.8968

Tritanomaly

11.2649, 6.1170, 3.3833

Monochromacy



Original Color

11.9870, 6.0248, 7.5523

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8118, 3.1531, 4.6300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9870, 6.0248, 7.5523 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(139, 0, 77)` looks like.

```
.text, #text, p{  
    color:rgb(139, 0, 77)  
}
```

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(139, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 11.9870, 6.0248, 7.5523 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(139, 0, 77) }
```


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

```
.border{ border-color:rgb(139, 0, 77) }
```

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

Here you see how a box with a 4 pixel rgb(139, 0, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(139, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9870, 6.0248, 7.5523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 77) }
```

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

```
.background{ background-color: rgb(139, 0,  
77) }
```

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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