

Converting Colors

XYZ(11.9867, 6.0489, 6.4551)

Have a look what the booklet for
XYZ(11.9867, 6.0489, 6.4551)
contains.

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Color

**XYZ(11.9525, 6.0304,
6.4952)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0047
RGB	140, 0, 71
RGB Percent	55%, 0%, 28%
CMY	0.4510, 0.9999, 0.7216
CMYK	0.00, 1.00, 0.49, 0.45
HSL	330°, 100%, 27%
HSV	330°, 100%, 55%
XYZ	11.9525, 6.0304, 6.4952
YIQ	49.9540, 60.6490, 51.7610

Conversions

Conversions Part 2

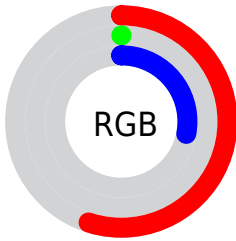
Format	Color
RYB	140, 0, 71
Decimal	9175111
CIELab	29.49, 54.43, 0.28
CIELCh	29, 54.429, 0.298
Yxy	6.0304, 0.4883, 0.2464
Android (android.graphics.Color)	4287365191 (0xFF8C0047)
YUV	49.9540, 10.3757, 78.9703
Hunter-Lab	24.5569, 43.9063, 1.5078

Details

The XYZ color **11.9525, 6.0304, 6.4952** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.4530, 19.1860, 8.7857**, and the grayscale version is **3.0115, 3.1683, 3.4503**.

A 20% lighter version of the original color is **28.9358, 17.9724, 19.3967**, and **3.7769, 1.9228, 1.2707** is the 20% darker color. If you saturate the color by 10%, you get **11.9521, 6.0302, 6.4936**, and if you desaturate by 10%, it is **12.3440, 6.4386, 7.7813**.

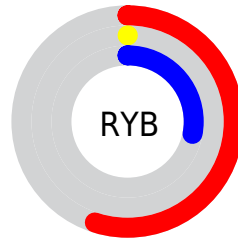
Distribution



Red (55%)

Green (0%)

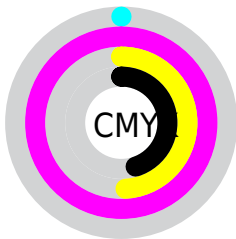
Blue (28%)



Red (55%)

Yellow (0%)

Blue (28%)

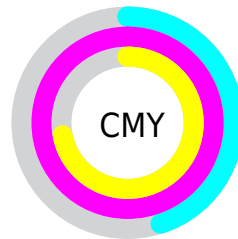


Cyan (0%)

Magenta (100%)

Yellow (49%)

Black (45%)



Cyan (45%)

Magenta (100%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9525, 6.0304, 6.4952 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 11.9525, 6.0304, 6.4952 by changing the saturation by 10% instead.

■ 11.9525, 6.0304,
6.4952

■ 11.9525, 6.0304,
6.4952

197.8669,
159.3450, 172.8693

■ 6.7833, 2.8636,
3.0748

■ 29.0262, 17.9942,
19.4455

■ 3.3721, 1.0609,
1.1330

■ 41.6614, 27.5599,
29.8126

■ 1.3534, 0.0000,
0.0000

■ 57.5159, 40.0274,
43.3323

■ 0.2227, 0.0000,
0.0000

■ 76.9552, 55.7810,
60.4231

■ 0.0000, 0.0000,
0.0000

■ 100.3446, 75.2052,
81.5037

■ 128.0495, 98.6843,

106.9926

160.4351,
126.6028, 137.3083

11.9525, 6.0304,
6.4952

11.9525, 6.0304,
6.4952

11.9521, 6.0302,
6.4936

12.3440, 6.4386,
7.7813

12.8627, 7.0596,
9.2378

13.5626, 8.0002,
10.8866

14.4635, 9.2989,
12.7378

15.5823, 10.9885,
14.8007

■ 16.9342, 13.0980,
17.0835

■ 18.5328, 15.6537,
19.5941

■ 20.3907, 18.6797,
22.3397

■ 22.5196, 22.1985,
25.3273

Harmonies

Analogous

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



10.9579, 6.0304, 15.9356



11.9525, 6.0304, 6.4952



10.9197, 6.0304, 1.8023

Triad

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



11.9525, 6.0304, 6.4952



3.6451, 6.0304, 0.2691



3.6770, 6.0304, 27.0364

Complementary

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



11.9525, 6.0304, 6.4952



10.4530, 19.1860, 8.7857

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.



2.5193, 6.0304, 16.1591



11.9525, 6.0304, 6.4952



2.5050, 6.0304, 1.8548

Square

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



11.9525, 6.0304, 6.4952



5.7069, 6.0304, 0.0000



2.1609, 6.0304, 6.6375



5.7566, 6.0304, 31.9173

Rectangle

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



11.9525, 6.0304, 6.4952



9.3535, 6.0304, 0.6269



2.1609, 6.0304, 6.6375



3.1913, 6.0304, 23.6989

Sweetspot

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



11.9527, 6.0308, 6.4953



32.4788, 27.2825, 34.2471



7.0952, 3.1112, 25.0373



7.2324, 5.8825, 7.5027



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.



11.9527, 6.0308, 6.4953



20.9911, 10.5991, 11.0203



10.8282, 5.5810, 0.5741



5.1317, 5.0881, 5.7822



10.6301, 5.3622, 5.8224



0.0780, 0.0386, 0.0776

Inverse Universe

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



11.9527, 6.0308, 6.4953



20.9911, 10.5991, 11.0203



13.9416, 20.5815, 27.1562



5.1317, 5.0881, 5.7822



10.6301, 5.3622, 5.8224



0.0780, 0.0386, 0.0776

Previews

White Background



This preview shows how the XYZ color 11.9525, 6.0304, 6.4952 looks on a white background.

Color Contrast Check

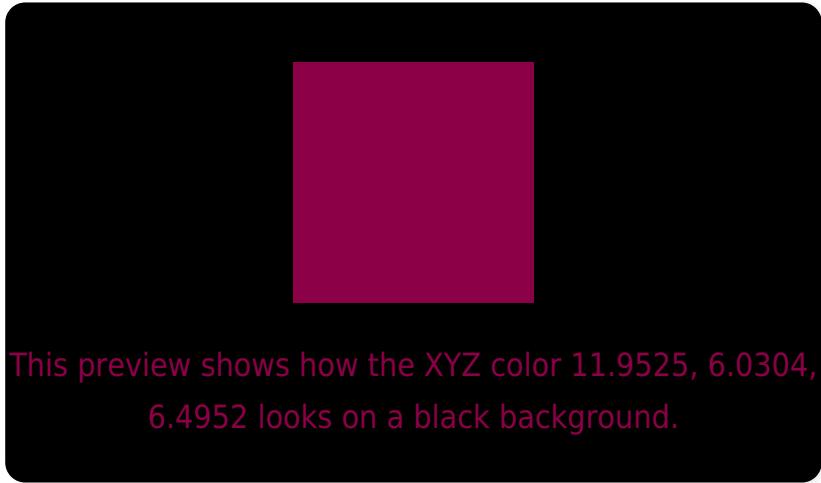
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9525, 6.0304, 6.4952

Background



This preview shows how black text looks on a background with the XYZ color 11.9525, 6.0304, 6.4952.



This preview shows how white text looks on a background with the XYZ color 11.9525, 6.0304,

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

11.9525, 6.0304, 6.4952

Protanopia

6.8154, 6.6708, 13.7603

Deuteranopia

6.7116, 6.6010, 5.9214



Tritanopia

11.1061, 6.3176, 1.7327

Trichromacy



Original Color

11.9525, 6.0304, 6.4952

Protanomaly

7.1797, 4.9335, 10.4714

Deuteranomaly

7.6604, 5.2251, 5.9150

Tritanomaly

11.3184, 6.1034, 2.9644

Monochromacy



Original Color

11.9525, 6.0304, 6.4952

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8475, 3.1775, 4.3608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9525, 6.0304, 6.4952 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(140, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 71)  
}
```

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(140, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 11.9525, 6.0304, 6.4952 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(140, 0, 71) }
```


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

```
.border{ border-color:rgb(140, 0, 71) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(140, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9525, 6.0304, 6.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 71) }
```

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

```
.background{ background-color: rgb(140, 0,  
71) }
```

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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