Converting Colors

XYZ(10.9735, 5.2959, 3.1375)

Have a look what the booklet for XYZ(10.9735, 5.2959, 3.1375) contains.

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Color

XYZ(11.1606, 5.6942, 3.2002)

Conversions

Format	Color
Hex	8B002F
RGB	139, 0, 47
RGB Percent	55%, 0%, 18%
CMY	0.4549, 0.9999, 0.8157
CMYK	0.00, 1.00, 0.66, 0.45
HSL	340°, 100%, 27%
HSV	340°, 100%, 55%
XYZ	11.1606, 5.6942, 3.2002
YIQ	46.9190, 67.7570, 44.0850

Conversions Part 1

Conversions

Conversions Part 2

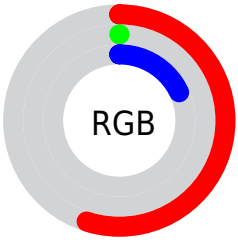
Format	Color
RYB	139, 0, 47
Decimal	9109551
CIELab	28.63, 52.48, 15.22
CIELCh	29, 54.646, 16.175
Yxy	5.6942, 0.5565, 0.2839
Android (android.graphics.Color)	4287299631 (0xFF8B002F)
YUV	46.9190, 0.0399, 80.7550
Hunter-Lab	23.8625, 41.7258, 8.7524

Details

The XYZ color 11.1606, 5.6942, 3.2002 is a dark color, and the websafe version is hex 990033. A complement of this color would be 11.1653, 19.2383, 13.2537, and the grayscale version is 2.6891, 2.8291, 3.0809.

A 20% lighter version of the original color is 27.4737, 17.2849, 12.0135, and 3.4797, 1.7938, 0.1628 is the 20% darker color. If you saturate the color by 10%, you get 11.1603, 5.6941, 3.1991, and if you desaturate by 10%, it is 11.5221, 6.0883, 4.3351.

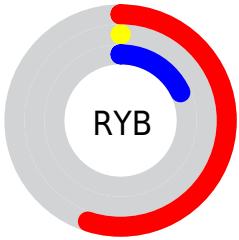
Distribution



Red (55%)

Green (0%)

Blue (18%)



Red (55%)

Yellow (0%)

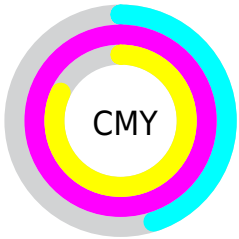
Blue (18%)

Cyan (0%)

Magenta (100%)

Yellow (66%)

Black (45%)



Cyan (45%)

Magenta (100%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1606, 5.6942, 3.2002 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 11.1606, 5.6942, 3.2002 by changing the saturation by 10% instead.

11.1606, 5.6942, 3.2002

11.1606, 5.6942, 3.2002

192.6517, 156.3245, 138.8710

6.2430, 2.6600, 1.1977

27.5871, 17.2933, 12.1186

3.0355, 0.9569, 0.0000

39.8267, 26.6270, 19.8716

1.1726, 0.0000, 0.0000

55.2378, 38.8293, 30.3785

0.0845, 0.0000, 0.0000

74.1856, 54.2847, 44.0579

0.0000, 0.0000, 0.0000

97.0356, 73.3775, 61.3283

124.1530, 96.4922,

82.6083

155.9032, 124.0130, 108.3163

11.1606, 5.6942, 3.2002

11.1603, 5.6941, 3.1991

11.1606, 5.6942, 3.2002

11.5221, 6.0883, 4.3351

12.0242, 6.6971, 5.7213

12.7219, 7.6274, 7.3874

13.6357, 8.9173, 9.3499

14.7835, 10.5994, 11.6239

16.1812, 12.7027, 14.2232

17.8432, 15.2536, 17.1606

19.7827, 18.2759, 20.4485

22.0123, 21.7922, 24.0983

Harmonies

Analogous

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

11.2401, 5.6942, 9.9226

11.1606, 5.6942, 3.2002

9.2756, 5.6942, 0.6945

Triad

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

11.1606, 5.6942, 3.2002

2.7199, 5.6942, 0.8052

4.3831, 5.6942, 29.9064

Complementary

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

11.1606, 5.6942, 3.2002

11.1653, 19.2383, 13.2537

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.

2.8053, 5.6942, 21.4473

11.1606, 5.6942, 3.2002

2.0552, 5.6942, 3.5488

Square

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

11.1606, 5.6942, 3.2002

4.2263, 5.6942, 0.0000

2.0810, 5.6942, 10.6559

6.8014, 5.6942, 29.5079

Rectangle

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

11.1606, 5.6942, 3.2002

7.4973, 5.6942, 0.0000

2.0810, 5.6942, 10.6559

3.7546, 5.6942, 27.8349

Sweetspot

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

11.1607, 5.6946, 3.2003

31.7413, 26.9875, 30.3633

8.9115, 4.0560, 24.7393

7.0480, 5.8088, 6.5315

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.

11.1607, 5.6946, 3.2003

19.9156, 10.1689, 5.3570

10.9132, 6.0203, 0.5873

5.0981, 5.0747, 5.6051

10.0801, 5.1422, 2.9264

0.0733, 0.0367, 0.0527

Inverse Universe

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

11.1607, 5.6946, 3.2003

19.9156, 10.1689, 5.3570

11.1568, 14.8570, 26.7058

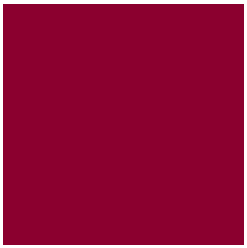
5.0981, 5.0747, 5.6051

10.0801, 5.1422, 2.9264

0.0733, 0.0367, 0.0527

Previews

White Background

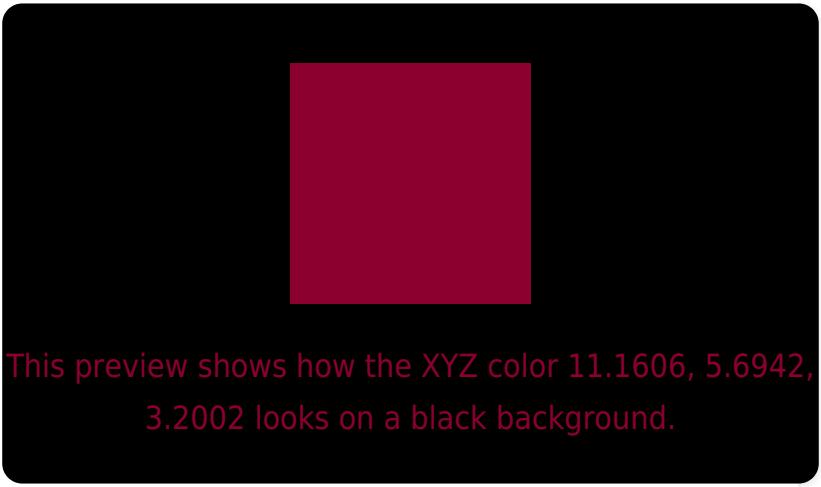


This preview shows how the XYZ color 11.1606, 5.6942, 3.2002 looks on a white background.

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

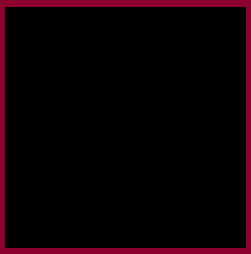


Color Contrast Check

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 11.1606, 5.6942, 3.2002 Background



This preview shows how black text looks on a background with the XYZ color 11.1606, 5.6942, 3.2002.

This preview shows how white text looks on a background with the XYZ color 11.1606, 5.6942,

3.2002.

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

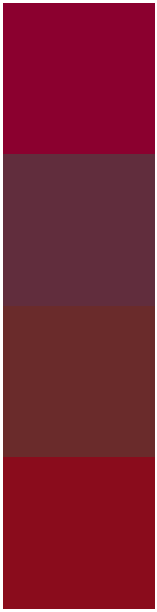
Original Color
11.1606, 5.6942, 3.2002

Protanopia
6.0751, 6.3526, 6.5362

Deuteranopia
6.3978, 6.3206, 2.9806

Tritanopia
10.8153, 5.9095, 1.1009

Trichromacy



Original Color
11.1606, 5.6942, 3.2002

Protanomaly
6.7105, 4.7551, 4.9790

Deuteranomaly
7.2438, 4.9663, 2.8623

Tritanomaly
10.8223, 5.7501, 1.6381

Monochromacy

Original Color
11.1606, 5.6942, 3.2002

Achromatopsia
2.7019, 2.8426, 3.0956

Achromatomaly
4.2856, 2.8393, 3.0115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1606, 5.6942, 3.2002 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, 47) looks like.

```
.text, #text, p{
    color:rgb(139, 0, 47)
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 11.1606, 5.6942, 3.2002 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, 47) }
```

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

```
.border{ border-color:rgb(139, 0, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 0, 47); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 0, 47); box-shadow:4px 4px 4px 4px rgb(139, 0, 47) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1606, 5.6942, 3.2002 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, 47) }
```

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

```
.background{ background-color:rgb(139, 0,
47) }
```

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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