

Converting Colors

XYZ(11.9249, 6.3362, 19.9980)

Have a look what the booklet for
XYZ(11.9249, 6.3362, 19.9980)
contains.

XYZ(11.8627, 6.3042, 19.9936)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(11.8627, 6.3042,
19.9936)**

Conversions

Conversions Part 1

Format	Color
Hex	781C7D
RGB	120, 28, 125
RGB Percent	47%, 11%, 49%
CMY	0.5294, 0.8902, 0.5098
CMYK	0.04, 0.78, 0.00, 0.51
HSL	297°, 63%, 30%
HSV	297°, 78%, 49%
XYZ	11.8627, 6.3042, 19.9936
YIQ	66.5660, 23.6950, 49.6710

Conversions

Conversions Part 2

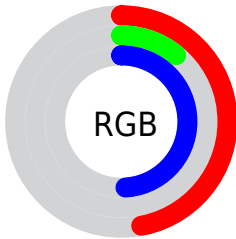
Format	Color
R _Y B	120, 28, 125
Decimal	7871613
CIE Lab	30.17, 50.88, -34.08
CIE LCh	30, 61.234, 326.184
Yxy	6.3042, 0.3109, 0.1652
Android (android.graphics.Color)	4286061693 (0xFF781C7D)
YUV	66.5660, 28.8080, 46.8616
Hunter-Lab	25.1082, 40.3955, -29.6368

Details

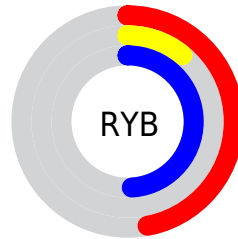
The XYZ color **11.8627, 6.3042, 19.9936** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.1705, 15.0745, 3.5778**, and the grayscale version is **5.2207, 5.4926, 5.9814**.

A 20% lighter version of the original color is **28.8083, 18.5148, 44.1748**, and **3.5847, 1.7013, 6.7961** is the 20% darker color. If you saturate the color by 10%, you get **11.5366, 5.7840, 19.9105**, and if you desaturate by 10%, it is **12.3131, 7.0718, 20.1181**.

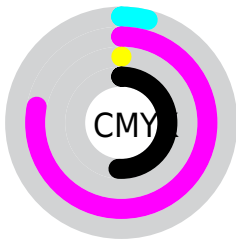
Distribution



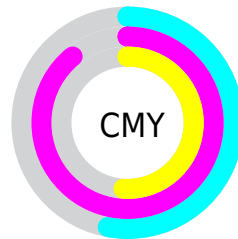
- Red (47%)
- Green (11%)
- Blue (49%)



- Red (47%)
- Yellow (11%)
- Blue (49%)



- Cyan (4%)
- Magenta (78%)
- Yellow (0%)
- Black (51%)



- Cyan (53%)
- Magenta (89%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8627, 6.3042, 19.9936 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 11.8627, 6.3042, 19.9936 by changing the saturation by 10% instead.

■ 11.8627, 6.3042,
19.9936

■ 11.8627, 6.3042,
19.9936

197.2827,
161.7501, 264.4836

■ 6.7218, 3.0309,
12.2064

■ 28.8638, 18.5591,
44.2653

■ 3.3335, 1.1479,
6.7601

■ 41.4547, 28.3095,
61.5868

■ 1.3325, 0.0185,
3.2364

■ 57.2597, 40.9877,
82.9235

■ 0.2073, 0.0000,
1.2166

■ 76.6441, 56.9782,
108.6939

■ 0.0000, 0.0000,
0.0000

■ 99.9732, 76.6653,
139.3166

■ 127.6125,

100.4333, 175.2101

159.9272,
128.6668, 216.7929

11.8627, 6.3042,
19.9936

11.8627, 6.3042,
19.9936

11.5366, 5.7840,
19.9105

12.3131, 7.0718,
20.1181

11.3027, 5.4475,
19.8578

12.9008, 8.1130,
20.2881

11.2490, 5.3715,
19.8460

13.6377, 9.4520,
20.5077

14.5344, 11.1097,
20.7804

15.6006, 13.1054,
21.1095

■ 16.8451, 15.4568,
21.4977

■ 18.2761, 18.1803,
21.9480

■ 19.9013, 21.2913,
22.4628

■ 21.7279, 24.8044,
23.0446

Harmonies

Analogous

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



8.7792, 6.3042, 33.1524



11.8627, 6.3042, 19.9936



13.3791, 6.3042, 7.9733

Triad

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



11.8627, 6.3042, 19.9936



6.3677, 6.3042, 0.0000



2.2727, 6.3042, 16.4958

Complementary

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



11.8627, 6.3042, 19.9936



8.1705, 15.0745, 3.5778

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.



1.9939, 6.3042, 5.8630



11.8627, 6.3042, 19.9936



3.8676, 6.3042, 0.0000

Square

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



11.8627, 6.3042, 19.9936



9.6276, 6.3042, 0.0795



2.4711, 6.3042, 1.2838



3.4107, 6.3042, 30.2304

Rectangle

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



11.8627, 6.3042, 19.9936



13.0287, 6.3042, 3.3278



2.4711, 6.3042, 1.2838



2.0950, 6.3042, 12.2941

Sweetspot

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



11.8630, 6.3045, 19.9937



28.7983, 25.0921, 38.0698



4.7662, 2.8986, 19.7104



6.4031, 5.4295, 8.6136



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.8630, 6.3045, 19.9937



20.3438, 9.9068, 35.5843



10.4329, 5.8146, 8.7496



4.4770, 4.4015, 5.4269



11.7387, 5.6052, 20.7132



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.1473, 5.3004, 1.9799



15.3895, 8.1047, 1.3804



8.9192, 15.3568, 8.2942



4.3361, 4.3476, 4.5742



8.8631, 4.5649, 0.6027



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.8627, 6.3042, 19.9936 looks on a white background.

Color Contrast Check

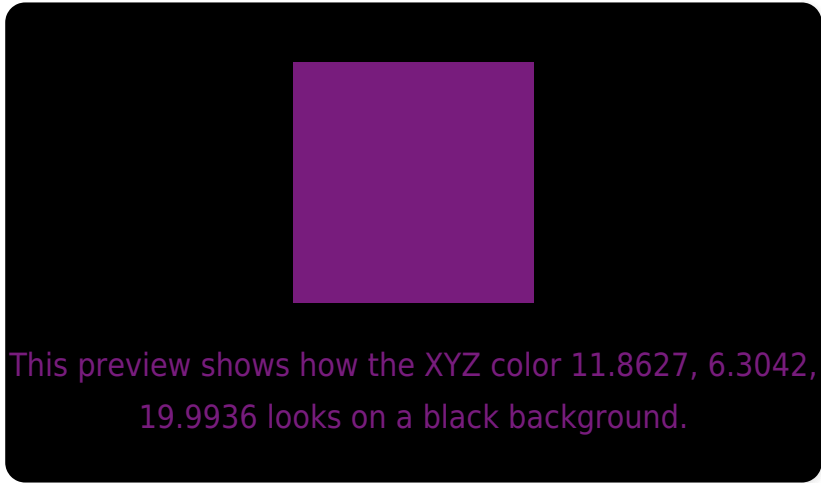
Large Text (above 18pt) WCAG AA ✓ Pass

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

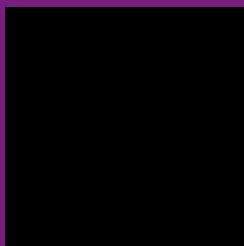
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8627, 6.3042, 19.9936

Background



This preview shows how black text looks on a background with the XYZ color 11.8627, 6.3042, 19.9936.



This preview shows how white text looks on a background with the XYZ color 11.8627, 6.3042, 19.9936.

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

11.8627, 6.3042, 19.9936

Deuteranopia

6.6913, 6.6086, 18.0625

Tritanopia

8.7650, 6.3886, 4.7741

Trichromacy



Original Color

11.8627, 6.3042, 19.9936

Deuteranomaly

7.5868, 5.6844, 18.7865

Tritanomaly

9.5316, 6.1308, 8.6636

Monochromacy



Original Color

11.8627, 6.3042, 19.9936

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.8723, 5.2292, 9.8796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8627, 6.3042, 19.9936 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(120, 28, 125)` looks like.

```
.text, #text, p{  
    color:rgb(120, 28, 125)  
}
```

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(120, 28, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 28, 125) }
```

Border

The CSS property to change the border of an element to XYZ 11.8627, 6.3042, 19.9936 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(120, 28, 125) }
```

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

```
.border{ border-color:rgb(120, 28, 125) }
```

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

Here you see how a box with a 4 pixel rgb(120, 28, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 28, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 28, 125);  
box-shadow:4px 4px 4px 4px rgb(120, 28,  
125) }
```


Background

The CSS property to change the background color of an element to XYZ 11.8627, 6.3042, 19.9936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 28, 125) }
```

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

```
.background{ background-color: rgb(120, 28,  
125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor