

Converting Colors

XYZ(12.3485, 5.9634, 29.0193)

Have a look what the booklet for
XYZ(12.3485, 5.9634, 29.0193)
contains.

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Color

**XYZ(12.3919, 5.9947,
28.9377)**

Conversions

Conversions Part 1

Format	Color
Hex	710E95
RGB	113, 14, 149
RGB Percent	44%, 5%, 58%
CMY	0.5569, 0.9451, 0.4157
CMYK	0.24, 0.91, 0.00, 0.42
HSL	284°, 83%, 32%
HSV	284°, 91%, 58%
XYZ	12.3919, 5.9947, 28.9377
YIQ	58.9910, 15.6690, 62.9730

Conversions

Conversions Part 2

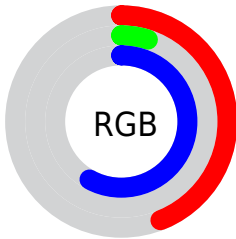
Format	Color
R_{YB}	113, 14, 149
Decimal	7409301
CIE _{Lab}	29.40, 57.85, -50.31
CIE _{LCh}	29, 76.667, 318.985
Yxy	5.9947, 0.2619, 0.1267
Android (android.graphics.Color)	4285599381 (0xFF710E95)
YUV	58.9910, 44.3744, 47.3659
Hunter-Lab	24.4841, 47.4954, -52.9359

Details

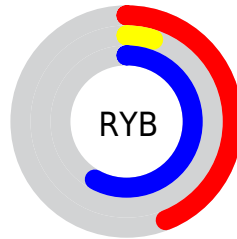
The XYZ color **12.3919, 5.9947, 28.9377** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **12.1422, 22.2048, 4.0616**, and the grayscale version is **4.0961, 4.3094, 4.6930**.

A 20% lighter version of the original color is **29.8457, 17.9635, 59.0210**, and **3.9026, 1.7626, 11.4438** is the 20% darker color. If you saturate the color by 10%, you get **11.7645, 5.4382, 28.8635**, and if you desaturate by 10%, it is **13.1946, 6.8241, 29.0556**.

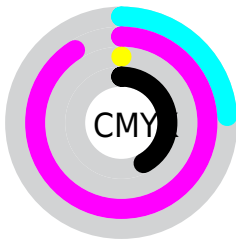
Distribution



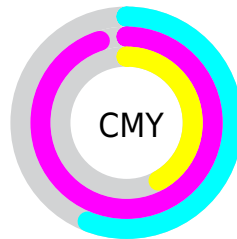
- Red (44%)
- Green (5%)
- Blue (58%)



- Red (44%)
- Yellow (5%)
- Blue (58%)



- Cyan (24%)
- Magenta (91%)
- Yellow (0%)
- Black (42%)



- Cyan (56%)
- Magenta (95%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3919, 5.9947, 28.9377 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 12.3919, 5.9947, 28.9377 by changing the saturation by 10% instead.

12.3919, 5.9947,
28.9377

12.3919, 5.9947,
28.9377

200.7002,
159.0279, 310.9726

7.0853, 2.8419,
18.7885

29.8176, 17.9201,
59.0191

3.5623, 1.0497,
11.3423

42.6674, 27.4615,
79.7884

1.4576, 0.0000,
6.1805

58.7622, 39.9012,
104.9348

0.2967, 0.0000,
2.8846

78.4675, 55.6236,
134.8769

0.0000, 0.0000,
1.0360

102.1486, 75.0130,
170.0332

0.0000, 0.0000,
0.0000

130.1708, 98.4540,

210.8222

162.8996,
126.3308, 257.6625

12.3919, 5.9947,
28.9377

12.3919, 5.9947,
28.9377

11.7645, 5.4382,
28.8635

13.1946, 6.8241,
29.0556

14.1961, 8.0179,
29.2332

15.4196, 9.6215,
29.4783

16.8845, 11.6736,
29.7972

18.6080, 14.2081,
30.1955

■ 20.6058, 17.2558,
30.6785

■ 22.8920, 20.8448,
31.2508

■ 25.4799, 25.0012,
31.9166

■ 28.3818, 29.7493,
32.6801

Harmonies

Analogous

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



8.1660, 5.9947, 46.6468



12.3919, 5.9947, 28.9377



15.1234, 5.9947, 10.9202

Triad

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



12.3919, 5.9947, 28.9377



7.0755, 5.9947, 0.0000



1.4215, 5.9947, 14.9662

Complementary

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



12.3919, 5.9947, 28.9377



12.1422, 22.2048, 4.0616

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.



1.3281, 5.9947, 3.5057



12.3919, 5.9947, 28.9377



3.7850, 5.9947, 0.0000

Square

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



12.3919, 5.9947, 28.9377



11.3195, 5.9947, 0.0000



1.9913, 5.9947, 0.0262



2.3360, 5.9947, 34.3291

Rectangle

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



12.3919, 5.9947, 28.9377



15.2025, 5.9947, 3.9666



1.9913, 5.9947, 0.0262



1.3126, 5.9947, 10.0043

Sweetspot

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



12.3922, 5.9949, 28.9378



38.0968, 32.7608, 55.2368



6.7467, 4.5447, 28.9555



8.1795, 6.8507, 12.1760



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.3922, 5.9949, 28.9378



20.8913, 9.6476, 51.6823



15.7920, 7.9999, 17.6962



5.8860, 5.8322, 7.2852



9.9304, 4.5919, 24.2940



0.1495, 0.0706, 0.2987

Inverse Universe

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



13.1273, 6.9340, 3.6643



22.8095, 11.6879, 4.2648



11.4120, 21.7817, 6.1365



5.8605, 5.8393, 6.3718



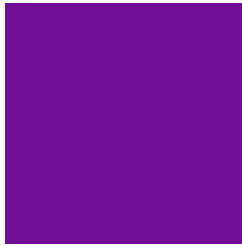
10.7612, 5.5095, 2.2235



0.1426, 0.0718, 0.0844

Previews

White Background



This preview shows how the XYZ color 12.3919, 5.9947, 28.9377 looks on a white background.

Color Contrast Check

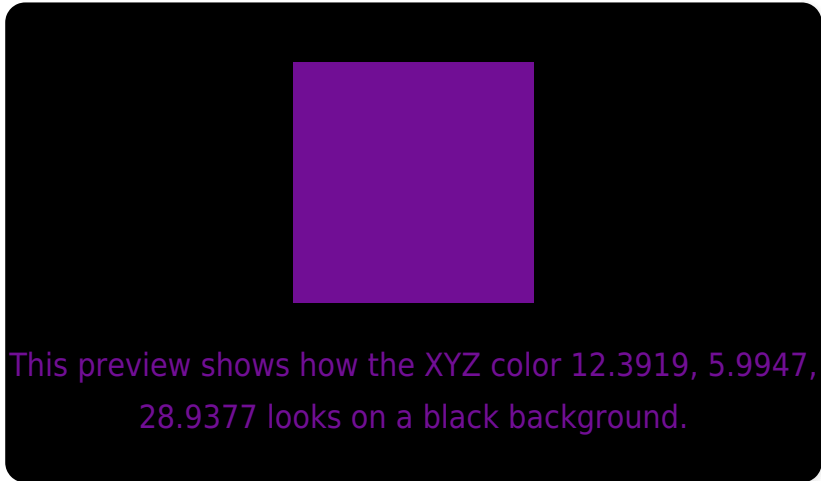
Large Text (above 18pt) WCAG AA ✓ Pass

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

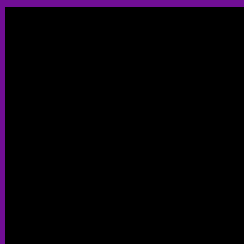
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3919, 5.9947, 28.9377

Background



This preview shows how black text looks on a background with the XYZ color 12.3919, 5.9947, 28.9377.



This preview shows how white text looks on a background with the XYZ color 12.3919, 5.9947,

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

12.3919, 5.9947, 28.9377

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.1484, 6.2714, 20.6251



Tritanopia

7.7449, 6.2074, 5.6404

Trichromacy



Original Color

12.3919, 5.9947, 28.9377

Protanomaly

7.2011, 4.7434, 27.7302

Deuteranomaly

6.4455, 4.6486, 23.1118

Tritanomaly

8.7551, 5.5572, 11.4377

Monochromacy



Original Color

12.3919, 5.9947, 28.9377

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.0201, 4.1627, 10.6114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3919, 5.9947, 28.9377 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(113, 14, 149)` looks like.

```
.text, #text, p{  
    color:rgb(113, 14, 149)  
}
```

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(113, 14, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 14, 149) }
```

Border

The CSS property to change the border of an element to XYZ 12.3919, 5.9947, 28.9377 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(113, 14, 149) }
```


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

```
.border{ border-color:rgb(113, 14, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 14, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 14, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 14, 149);  
box-shadow:4px 4px 4px 4px rgb(113, 14,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3919, 5.9947, 28.9377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 14, 149) }
```

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

```
.background{ background-color: rgb(113, 14,  
149) }
```

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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