

Converting Colors

XYZ(12.3133, 6.5840, 19.1644)

Have a look what the booklet for
XYZ(12.3133, 6.5840, 19.1644)
contains.

XYZ(12.2644, 6.5690, 19.0339)	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>	31

Color

**XYZ(12.2644, 6.5690,
19.0339)**

Conversions

Conversions Part 1

Format	Color
Hex	7C1D7A
RGB	124, 29, 122
RGB Percent	49%, 11%, 48%
CMY	0.5137, 0.8863, 0.5216
CMYK	0.00, 0.77, 0.02, 0.51
HSL	301°, 62%, 30%
HSV	301°, 77%, 49%
XYZ	12.2644, 6.5690, 19.0339
YIQ	68.0070, 26.7670, 49.0630

Conversions

Conversions Part 2

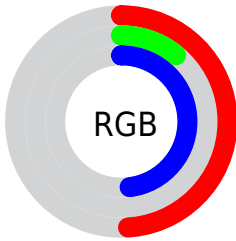
Format	Color
RYB	124, 29, 122
Decimal	8134010
CIELab	30.80, 50.92, -31.13
CIELCh	31, 59.679, 328.558
Yxy	6.5690, 0.3239, 0.1735
Android (android.graphics.Color)	4286324090 (0xFF7C1D7A)
YUV	68.0070, 26.6185, 49.1059
Hunter-Lab	25.6301, 40.5625, -26.0901

Details

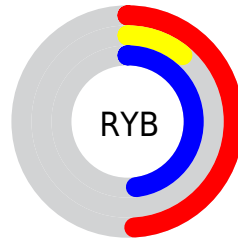
The XYZ color **12.2644, 6.5690, 19.0339** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **7.9620, 14.7757, 3.7291**, and the grayscale version is **5.4517, 5.7356, 6.2461**.

A 20% lighter version of the original color is **29.4986, 19.0195, 42.6738**, and **3.8011, 1.8206, 6.4544** is the 20% darker color. If you saturate the color by 10%, you get **12.0034, 6.0726, 18.8672**, and if you desaturate by 10%, it is **12.6484, 7.3109, 19.2419**.

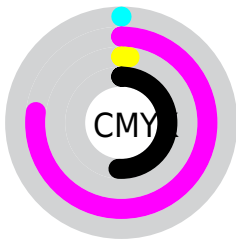
Distribution



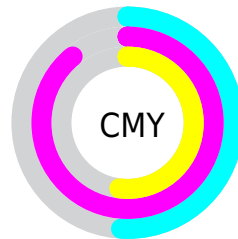
- Red (49%)
- Green (11%)
- Blue (48%)



- Red (49%)
- Yellow (11%)
- Blue (48%)



- Cyan (0%)
- Magenta (77%)
- Yellow (2%)
- Black (51%)



- Cyan (51%)
- Magenta (89%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2644, 6.5690, 19.0339 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 12.2644, 6.5690, 19.0339 by changing the saturation by 10% instead.

12.2644, 6.5690,
19.0339

12.2644, 6.5690,
19.0339

199.8823,
164.0328, 259.0648

6.9975, 3.1941,
11.5177

29.5884, 19.1008,
42.6288

3.5068, 1.2339,
6.2977

42.3763, 29.0263,
59.5447

1.4271, 0.0891,
2.9552

58.4018, 41.9043,
80.4308

0.2754, 0.0000,
1.0718

78.0304, 58.1189,
105.7058

0.0000, 0.0000,
0.0000

101.6274, 78.0547,
135.7881

129.5581,

102.0960, 171.0964

162.1880,
130.6273, 212.0491

12.2644, 6.5690,
19.0339

12.2644, 6.5690,
19.0339

12.0034, 6.0726,
18.8672

12.6484, 7.3109,
19.2419

11.8385, 5.7687,
18.7328

13.1678, 8.3236,
19.4952

11.7874, 5.6752,
18.6888

13.8342, 9.6303,
19.7977

14.6579, 11.2516,
20.1528

15.6482, 13.2061,
20.5637

■ 16.8138, 15.5110,
21.0333

■ 18.1626, 18.1822,
21.5641

■ 19.7021, 21.2349,
22.1587

■ 21.4395, 24.6832,
22.8195

Harmonies

Analogous

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



9.2847, 6.5690, 32.1042



12.2644, 6.5690, 19.0339



13.5823, 6.5690, 7.5593

Triad

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



12.2644, 6.5690, 19.0339



6.3841, 6.5690, 0.0000



2.5319, 6.5690, 17.7366

Complementary

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



12.2644, 6.5690, 19.0339



7.9620, 14.7757, 3.7291

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.



2.1811, 6.5690, 6.7607



12.2644, 6.5690, 19.0339



3.9517, 6.5690, 0.0485

Square

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



12.2644, 6.5690, 19.0339



9.6029, 6.5690, 0.1535



2.6090, 6.5690, 1.6575



3.7764, 6.5690, 31.0300

Rectangle

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



12.2644, 6.5690, 19.0339



13.1071, 6.5690, 3.1975



2.6090, 6.5690, 1.6575



2.3262, 6.5690, 13.4850

Sweetspot

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



12.2647, 6.5693, 19.0340



28.1316, 24.4147, 36.4288



4.6304, 2.6192, 19.3305



6.4859, 5.4743, 8.5228



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.



12.2647, 6.5693, 19.0340



20.9014, 10.2776, 33.0217



10.0190, 5.6711, 7.2088



4.1510, 4.0761, 4.9929



11.9828, 5.7693, 18.9981



57.1173, 27.5032, 90.4024

Inverse Universe

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



12.2647, 6.5693, 19.0340



20.9014, 10.2776, 33.0217



9.0928, 15.2281, 9.6841



4.1510, 4.0761, 4.9929



11.9828, 5.7693, 18.9981



57.1173, 27.5032, 90.4024

Previews

White Background



This preview shows how the XYZ color 12.2644, 6.5690, 19.0339 looks on a white background.

Color Contrast Check

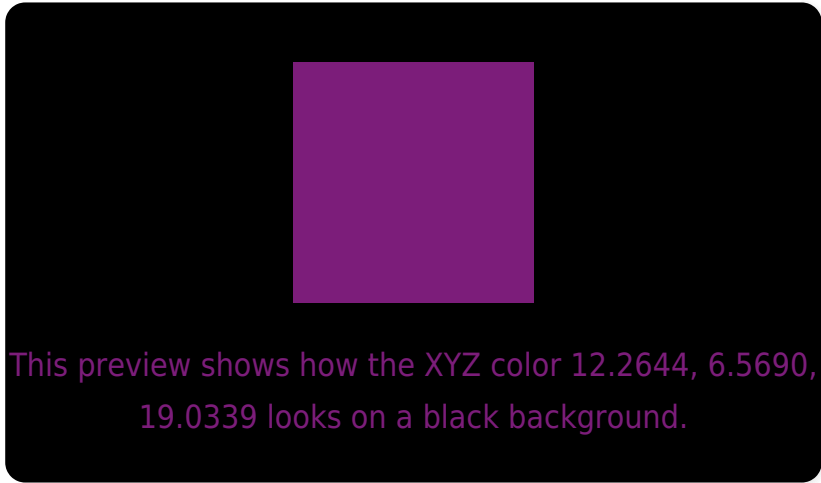
Large Text (above 18pt) WCAG AA ✓ Pass

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

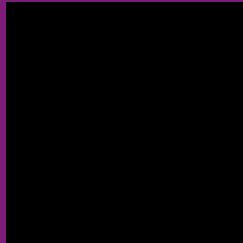
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2644, 6.5690, 19.0339

Background



This preview shows how black text looks on a background with the XYZ color 12.2644, 6.5690, 19.0339.



This preview shows how white text looks on a background with the XYZ color 12.2644, 6.5690,

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

12.2644, 6.5690, 19.0339

Protanopia

7.8392, 6.7408, 30.1661

Deuteranopia

6.9595, 6.8654, 17.1780



Tritanopia

9.3938, 6.7156, 4.6720

Trichromacy



Original Color

12.2644, 6.5690, 19.0339



Protanomaly

7.2300, 5.2797, 25.4490



Deuteranomaly

7.9250, 5.9538, 17.8711



Tritanomaly

10.1693, 6.4639, 8.4963

Monochromacy



Original Color

12.2644, 6.5690, 19.0339



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

7.1051, 5.4176, 9.9037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2644, 6.5690, 19.0339 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(124, 29, 122)` looks like.

```
.text, #text, p{  
    color:rgb(124, 29, 122)  
}
```

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(124, 29, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 29, 122) }
```

Border

The CSS property to change the border of an element to XYZ 12.2644, 6.5690, 19.0339 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(124, 29, 122) }
```


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

```
.border{ border-color:rgb(124, 29, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 29, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 29, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 29, 122);  
box-shadow:4px 4px 4px 4px rgb(124, 29,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2644, 6.5690, 19.0339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 29, 122) }
```

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

```
.background{ background-color: rgb(124, 29,  
122) }
```

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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