

Converting Colors

XYZ(12.0191, 6.0289, 31.9601)

Have a look what the booklet for
XYZ(12.0191, 6.0289, 31.9601)
contains.

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Color

**XYZ(12.0573, 6.0386,
31.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	68199C
RGB	104, 25, 156
RGB Percent	41%, 10%, 61%
CMY	0.5921, 0.9020, 0.3882
CMYK	0.33, 0.84, 0.00, 0.39
HSL	276°, 72%, 35%
HSV	276°, 84%, 61%
XYZ	12.0573, 6.0386, 31.9826
YIQ	63.5550, 5.0330, 57.4890

Conversions

Conversions Part 2

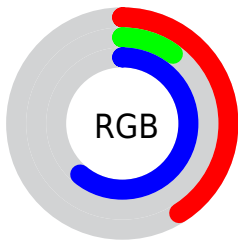
Format	Color
RYB	104, 25, 156
Decimal	6822300
CIELab	29.51, 55.07, -54.48
CIELCh	30, 77.466, 315.307
Yxy	6.0386, 0.2408, 0.1206
Android (android.graphics.Color)	4285012380 (0xFF68199C)
YUV	63.5550, 45.5754, 35.4703
Hunter-Lab	24.5736, 44.5793, -59.9647

Details

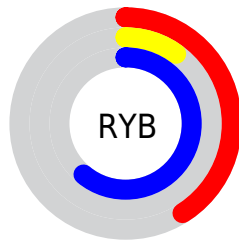
The XYZ color **12.0573, 6.0386, 31.9826** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **15.1245, 25.4250, 5.0301**, and the grayscale version is **4.7410, 4.9879, 5.4318**.

A 20% lighter version of the original color is **29.1975, 18.0616, 63.5754**, and **3.7176, 1.6279, 13.2150** is the 20% darker color. If you saturate the color by 10%, you get **11.1194, 5.1905, 31.8685**, and if you desaturate by 10%, it is **13.2346, 7.2862, 32.1615**.

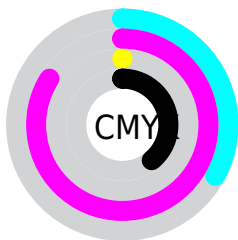
Distribution



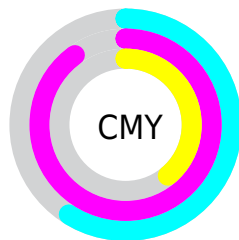
- Red (41%)
- Green (10%)
- Blue (61%)



- Red (41%)
- Yellow (10%)
- Blue (61%)



- Cyan (33%)
- Magenta (84%)
- Yellow (0%)
- Black (39%)



- Cyan (59%)
- Magenta (90%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0573, 6.0386, 31.9826 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 12.0573, 6.0386, 31.9826 by changing the saturation by 10% instead.

■ 12.0573, 6.0386,
31.9826

■ 12.0573, 6.0386,
31.9826

198.5464,
159.4177, 325.5303

■ 6.8552, 2.8686,
21.0835

■ 29.2154, 18.0112,
63.8814

■ 3.4172, 1.0635,
12.9932

■ 41.9020, 27.5825,
85.7182

■ 1.3780, 0.0000,
7.2932

■ 57.8143, 40.0563,
112.0379

■ 0.2405, 0.0000,
3.5649

■ 77.3175, 55.8172,
143.2592

■ 0.0000, 0.0000,
1.3898

■ 100.7769, 75.2493,
179.8005

■ 0.0000, 0.0000,
0.1338

■ 128.5580, 98.7372,

■ 0.0000, 0.0000,

222.0805

0.0000

161.0260,
126.6652, 270.5175

12.0573, 6.0386,
31.9826

12.0573, 6.0386,
31.9826

11.1194, 5.1905,
31.8685

13.2346, 7.2862,
32.1615

10.6250, 4.7842,
31.8161

14.6787, 8.9877,
32.4138

16.4135, 11.1893,
32.7473

18.4600, 13.9310,
33.1687

20.8369, 17.2488,
33.6838

■ 23.5612, 21.1755,
34.2981

■ 26.6487, 25.7413,
35.0167

■ 30.1144, 30.9745,
35.8441

■ 33.9720, 36.9015,
36.7848

Harmonies

Analogous

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



7.7282, 6.0386, 48.9218



12.0573, 6.0386, 31.9826



15.1493, 6.0386, 12.8547

Triad

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



12.0573, 6.0386, 31.9826



7.6428, 6.0386, 0.0000



1.3619, 6.0386, 13.1720

Complementary

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



12.0573, 6.0386, 31.9826



15.1245, 25.4250, 5.0301

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.



1.3547, 6.0386, 2.7692



12.0573, 6.0386, 31.9826



4.1251, 6.0386, 0.0000

Square

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



12.0573, 6.0386, 31.9826



11.9731, 6.0386, 0.0000



2.1357, 6.0386, 0.0000



2.1625, 6.0386, 32.4075

Rectangle

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



12.0573, 6.0386, 31.9826



15.5214, 6.0386, 4.9334



2.1357, 6.0386, 0.0000



1.2823, 6.0386, 8.5455

Sweetspot

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



12.0576, 6.0388, 31.9827



41.9992, 37.3024, 62.1132



9.0837, 7.9710, 32.5124



8.8793, 7.6832, 13.5854



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



12.0576, 6.0388, 31.9827



19.0712, 8.5725, 57.7762



19.0084, 9.7434, 26.8259



6.6491, 6.6231, 8.3346



8.7914, 3.9612, 26.2085



0.2039, 0.0949, 0.4708

Inverse Universe

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



15.3975, 8.2991, 7.8113



26.3861, 13.4311, 8.9813



12.6409, 24.1243, 5.8325



6.7367, 6.6876, 7.4644



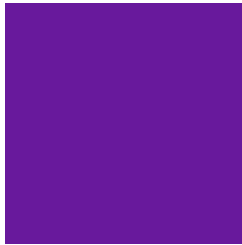
12.0237, 6.1140, 4.3758



0.2352, 0.1174, 0.1847

Previews

White Background



This preview shows how the XYZ color 12.0573, 6.0386, 31.9826 looks on a white background.

Color Contrast Check

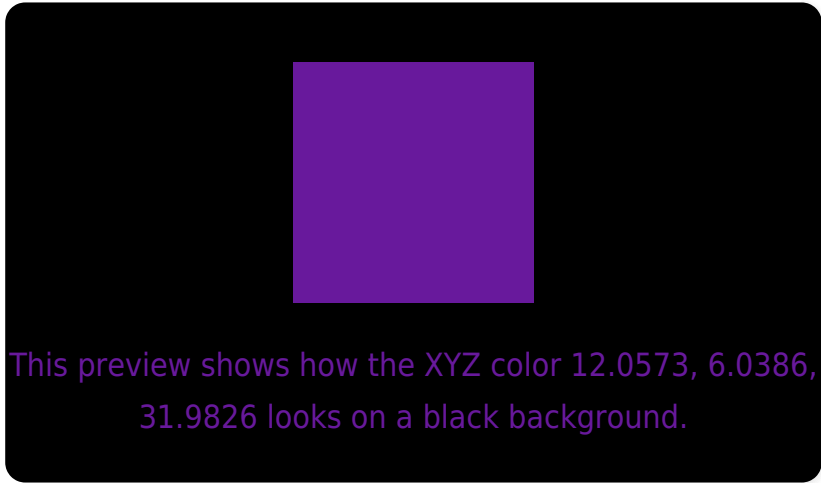
Large Text (above 18pt) WCAG AA ✓ Pass

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

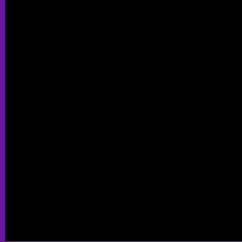
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0573, 6.0386, 31.9826

Background



This preview shows how black text looks on a background with the XYZ color 12.0573, 6.0386, 31.9826.



This preview shows how white text looks on a background with the XYZ color 12.0573, 6.0386, 31.9826.

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

12.0573, 6.0386, 31.9826

Protanopia

7.1012, 6.1479, 27.1979

Deuteranopia

6.0842, 6.2458, 20.2869



Tritanopia

6.9321, 6.1712, 6.4560

Trichromacy



Original Color

12.0573, 6.0386, 31.9826

Protanomaly

7.3726, 5.0062, 28.5947

Deuteranomaly

6.6574, 5.0180, 23.9102

Tritanomaly

8.1057, 5.6005, 12.9657

Monochromacy



Original Color

12.0573, 6.0386, 31.9826

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

6.5227, 4.8065, 11.8932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0573, 6.0386, 31.9826 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(104, 25, 156)` looks like.

```
.text, #text, p{  
    color:rgb(104, 25, 156)  
}
```

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(104, 25, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 25, 156) }
```

Border

The CSS property to change the border of an element to XYZ 12.0573, 6.0386, 31.9826 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(104, 25, 156) }
```


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

```
.border{ border-color:rgb(104, 25, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 25, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 25, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 25, 156);  
box-shadow:4px 4px 4px 4px rgb(104, 25,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0573, 6.0386, 31.9826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 25, 156) }
```

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

```
.background{ background-color: rgb(104, 25,  
156) }
```

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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