

Converting Colors

XYZ(11.7742, 5.8288, 22.4070)

Have a look what the booklet for
XYZ(11.7742, 5.8288, 22.4070)
contains.

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Color

**XYZ(11.7931, 5.8316,
22.3338)**

Conversions

Conversions Part 1

Format	Color
Hex	760E84
RGB	118, 14, 132
RGB Percent	46%, 5%, 52%
CMY	0.5373, 0.9451, 0.4824
CMYK	0.11, 0.89, 0.00, 0.48
HSL	293°, 81%, 29%
HSV	293°, 89%, 52%
XYZ	11.7931, 5.8316, 22.3338
YIQ	58.5480, 24.1060, 58.7460

Conversions

Conversions Part 2

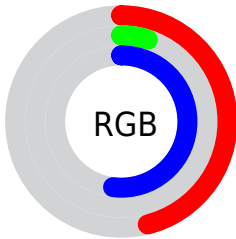
Format	Color
R_{YB}	118, 14, 132
Decimal	7736964
CIE _{Lab}	28.98, 55.49, -40.39
CIE _{LCh}	29, 68.633, 323.948
Yxy	5.8316, 0.2951, 0.1459
Android (android.graphics.Color)	4285927044 (0xFF760E84)
YUV	58.5480, 36.2118, 52.1394
Hunter-Lab	24.1487, 44.9108, -37.9299

Details

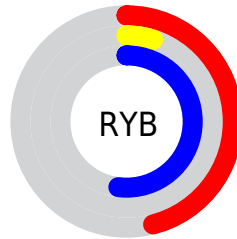
The XYZ color **11.7931, 5.8316, 22.3338** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.8097, 16.7813, 3.1905**, and the grayscale version is **4.0465, 4.2572, 4.6361**.

A 20% lighter version of the original color is **28.9029, 17.7127, 48.3499**, and **3.7030, 1.7330, 8.1220** is the 20% darker color. If you saturate the color by 10%, you get **11.4340, 5.4264, 22.2746**, and if you desaturate by 10%, it is **12.2474, 6.4216, 22.4238**.

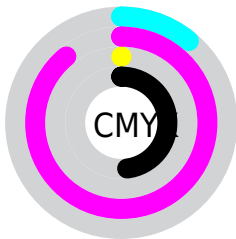
Distribution



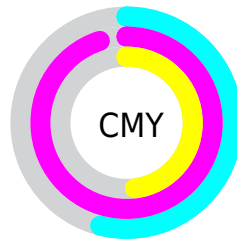
- Red (46%)
- Green (5%)
- Blue (52%)



- Red (46%)
- Yellow (5%)
- Blue (52%)



- Cyan (11%)
- Magenta (89%)
- Yellow (0%)
- Black (48%)



- Cyan (54%)
- Magenta (95%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7931, 5.8316, 22.3338 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 11.7931, 5.8316, 22.3338 by changing the saturation by 10% instead.

■ 11.7931, 5.8316,
22.3338

■ 11.7931, 5.8316,
22.3338

196.8287,
157.5683, 277.2947

■ 6.6741, 2.7430,
13.9017

■ 28.7379, 17.5807,
48.2063

■ 3.3037, 0.9991,
7.9144

■ 41.2944, 27.0100,
66.4838

■ 1.3163, 0.0000,
3.9532

■ 57.0608, 39.3216,
88.8803

■ 0.1954, 0.0000,
1.5997

■ 76.4024, 54.8999,
115.8141


■ 0.0000, 0.0000,
0.2906


■ 99.6847, 74.1293,
147.7039


■ 0.0000, 0.0000,
0.0000


■ 127.2729, 97.3943,

184.9683


 159.5325,
125.0791, 228.0257

 11.7931, 5.8316,
22.3338

 11.7931, 5.8316,
22.3338


 11.4340, 5.4264,
22.2746


 12.2474, 6.4216,
22.4238

 11.4125, 5.4022,
22.2711

 12.8413, 7.2857,
22.5593

 13.5913, 8.4567,
22.7458

 14.5112, 9.9623,
22.9879

 15.6135, 11.8272,
23.2898

■ 16.9092, 14.0738,
23.6551

■ 18.4088, 16.7226,
24.0874

■ 20.1217, 19.7926,
24.5897

■ 22.0568, 23.3017,
25.1650

Harmonies

Analogous

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



8.2916, 5.8316, 37.5734



11.7931, 5.8316, 22.3338



13.6978, 5.8316, 8.2979

Triad

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



11.7931, 5.8316, 22.3338



6.1868, 5.8316, 0.0000



1.7161, 5.8316, 15.9437

Complementary

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



11.7931, 5.8316, 22.3338



8.8097, 16.7813, 3.1905

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.



1.5082, 5.8316, 4.7330



11.7931, 5.8316, 22.3338



3.4805, 5.8316, 0.0000

Square

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



11.7931, 5.8316, 22.3338



9.7785, 5.8316, 0.0000



2.0160, 5.8316, 0.6697



2.7503, 5.8316, 32.0535

Rectangle

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



11.7931, 5.8316, 22.3338



13.4422, 5.8316, 3.0916



2.0160, 5.8316, 0.6697



1.5681, 5.8316, 11.3410

Sweetspot

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



11.7934, 5.8319, 22.3339



30.2303, 25.5709, 41.7955



4.8038, 2.6748, 22.0929



6.8732, 5.6643, 9.6838



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.7934, 5.8319, 22.3339



20.0210, 9.4737, 39.2265



11.4650, 5.9367, 9.9348



4.8050, 4.7356, 5.8616



11.0530, 5.2322, 21.5640



0.0421, 0.0201, 0.0749

Inverse Universe

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



9.8826, 5.3037, 1.6019



16.8906, 8.6926, 1.4621



9.1778, 16.8941, 6.6837



4.6934, 4.6970, 4.9978



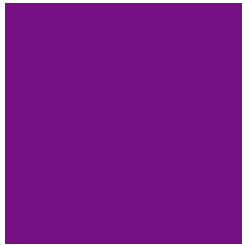
9.3029, 4.7855, 0.9015



0.0336, 0.0171, 0.0102

Previews

White Background



This preview shows how the XYZ color 11.7931, 5.8316, 22.3338 looks on a white background.

Color Contrast Check

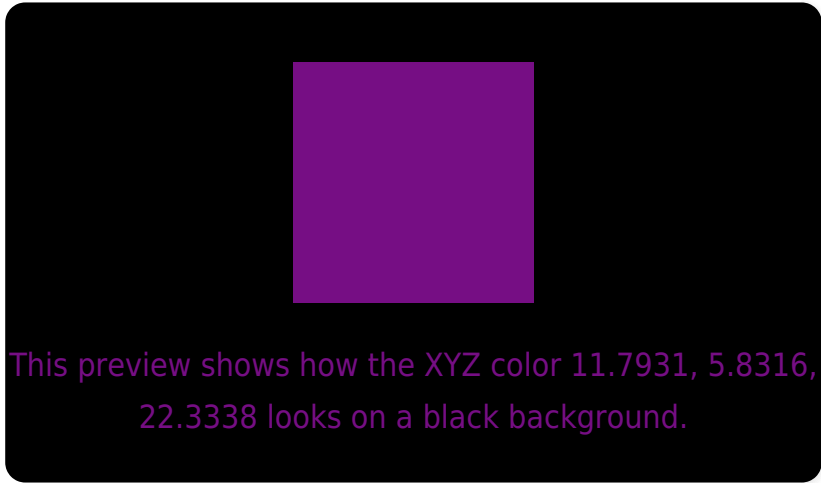
Large Text (above 18pt) WCAG AA ✓ Pass

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

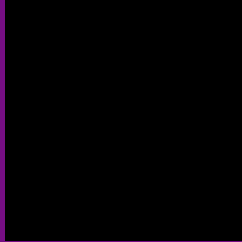
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7931, 5.8316, 22.3338

Background



This preview shows how black text looks on a background with the XYZ color 11.7931, 5.8316, 22.3338.



This preview shows how white text looks on a background with the XYZ color 11.7931, 5.8316,

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

11.7931, 5.8316, 22.3338

Protanopia

7.1012, 6.1479, 27.1979

Deuteranopia

6.2222, 6.1323, 19.9245



Tritanopia

8.3183, 6.0928, 4.6085

Trichromacy



Original Color

11.7931, 5.8316, 22.3338

Protanomaly

6.7868, 4.5209, 25.3259

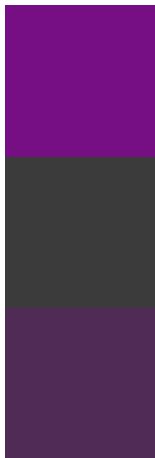
Deuteranomaly

6.6587, 4.6834, 20.6317

Tritanomaly

9.0078, 5.5359, 8.9813

Monochromacy



Original Color

11.7931, 5.8316, 22.3338

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.8519, 4.1051, 9.2880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7931, 5.8316, 22.3338 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(118, 14, 132)` looks like.

```
.text, #text, p{  
    color:rgb(118, 14, 132)  
}
```

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(118, 14, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 14, 132) }
```

Border

The CSS property to change the border of an element to XYZ 11.7931, 5.8316, 22.3338 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(118, 14, 132) }
```


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

```
.border{ border-color:rgb(118, 14, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 14, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 14, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 14, 132); box-shadow:4px 4px 4px 4px rgb(118, 14, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7931, 5.8316, 22.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 14, 132) }
```

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

```
.background{ background-color: rgb(118, 14,  
132) }
```

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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