

Converting Colors

XYZ(12.2415, 5.6465, 30.5817)

Have a look what the booklet for
XYZ(12.2415, 5.6465, 30.5817)
contains.

XYZ(12.1802, 5.6149, 30.5788)	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(12.1802, 5.6149,
30.5788)**

Conversions

Conversions Part 1

Format	Color
Hex	6E0099
RGB	110, 0, 153
RGB Percent	43%, 0%, 60%
CMY	0.5686, 1.0000, 0.4000
CMYK	0.28, 1.00, 0.00, 0.40
HSL	283°, 100%, 30%
HSV	283°, 100%, 60%
XYZ	12.1802, 5.6149, 30.5788
YIQ	50.3320, 16.4470, 70.9030

Conversions

Conversions Part 2

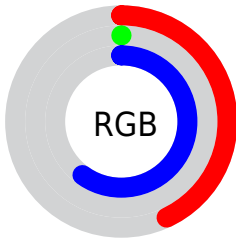
Format	Color
RYB	110, 0, 153
Decimal	7209113
CIELab	28.42, 60.62, -54.39
CIELCh	28, 81.442, 318.101
Yxy	5.6149, 0.2518, 0.1161
Android (android.graphics.Color)	4285399193 (0xFF6E0099)
YUV	50.3320, 50.6153, 52.3288
Hunter-Lab	23.6958, 50.2857, -59.9252

Details

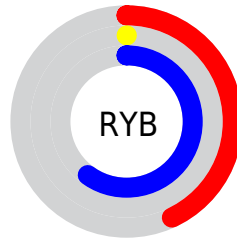
The XYZ color **12.1802, 5.6149, 30.5788** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **12.3875, 23.2961, 3.8438**, and the grayscale version is **3.0126, 3.1695, 3.4516**.

A 20% lighter version of the original color is **29.3012, 17.0414, 61.4195**, and **3.8703, 1.7239, 12.4407** is the 20% darker color. If you saturate the color by 10%, you get **12.1804, 5.6150, 30.5789**, and if you desaturate by 10%, it is **12.9037, 6.2479, 30.6630**.

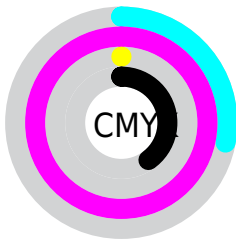
Distribution



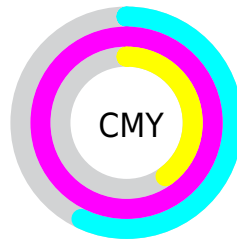
- Red (43%)
- Green (0%)
- Blue (60%)



- Red (43%)
- Yellow (0%)
- Blue (60%)



- Cyan (28%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (57%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1802, 5.6149, 30.5788 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 12.1802, 5.6149, 30.5788 by changing the saturation by 10% instead.

12.1802, 5.6149,
30.5788

12.1802, 5.6149,
30.5788

199.3403,
155.6006, 318.8840

6.9396, 2.6124,
20.0226

29.4369, 17.1267,
61.6481

3.4703, 0.9329,
12.2272

42.1837, 26.4048,
82.9982

1.4071, 0.0000,
6.7742

58.1633, 38.5436,
108.7834

0.2613, 0.0000,
3.2450

77.7410, 53.9273,
139.4222

0.0000, 0.0000,
1.2210

101.2822, 72.9405,
175.3331

0.0000, 0.0000,
0.0000

129.1522, 95.9675,

216.9347

161.7165,
123.3927, 264.6455

12.1802, 5.6149,
30.5788

12.1802, 5.6149,
30.5788

12.1804, 5.6150,
30.5789

12.9037, 6.2479,
30.6630

13.7827, 7.1531,
30.7913

14.8773, 8.4500,
30.9840

16.2118, 10.1865,
31.2488

17.8069, 12.4037,
31.5927

■ 19.6809, 15.1376,
32.0216

■ 21.8504, 18.4208,
32.5410

■ 24.3306, 22.2834,
33.1559

■ 27.1355, 26.7529,
33.8707

Harmonies

Analogous

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



7.7447, 5.6149, 49.7054



12.1802, 5.6149, 30.5788



15.1593, 5.6149, 11.0813

Triad

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



12.1802, 5.6149, 30.5788



6.8677, 5.6149, 0.0000



1.1280, 5.6149, 14.3963

Complementary

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



12.1802, 5.6149, 30.5788



12.3875, 23.2961, 3.8438

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.



1.0617, 5.6149, 2.9095



12.1802, 5.6149, 30.5788



3.4882, 5.6149, 0.0000

Square

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



12.1802, 5.6149, 30.5788



11.2991, 5.6149, 0.0000



1.7033, 5.6149, 0.0000



1.9584, 5.6149, 35.1541

Rectangle

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



12.1802, 5.6149, 30.5788



15.3171, 5.6149, 3.7564



1.7033, 5.6149, 0.0000



1.0352, 5.6149, 9.2947

Sweetspot

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



12.1805, 5.6151, 30.5789



38.8854, 32.6118, 58.2172



6.6265, 4.0533, 30.5702



8.2445, 6.6798, 12.7723



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.1805, 5.6151, 30.5789



21.6253, 9.9587, 54.7544



16.5180, 8.1248, 18.4194



6.2919, 6.2364, 7.8011



10.1004, 4.6580, 25.2744



0.1858, 0.0876, 0.3795

Inverse Universe

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



13.5730, 6.9468, 2.9110



24.2380, 12.4130, 4.8468



11.6679, 22.8932, 5.2539



6.2766, 6.2498, 6.8367



11.2305, 5.7464, 2.4730



0.1819, 0.0915, 0.1110

Previews

White Background



This preview shows how the XYZ color 12.1802, 5.6149, 30.5788 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

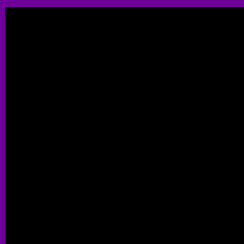
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1802, 5.6149, 30.5788

Background



This preview shows how black text looks on a background with the XYZ color 12.1802, 5.6149, 30.5788.



This preview shows how white text looks on a background with the XYZ color 12.1802, 5.6149,

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

12.1802, 5.6149, 30.5788

Protanopia

7.0250, 6.1174, 26.7971

Deuteranopia

5.9555, 6.0900, 19.9304



Tritanopia

7.2606, 6.0348, 5.6326

Trichromacy



Original Color

12.1802, 5.6149, 30.5788

Protanomaly

7.0054, 4.2855, 28.0617

Deuteranomaly

6.2252, 4.1544, 23.3954

Tritanomaly

8.0600, 4.9401, 11.5951

Monochromacy



Original Color

12.1802, 5.6149, 30.5788

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.9093, 3.0989, 9.3562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1802, 5.6149, 30.5788 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(110, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(110, 0, 153)  
}
```

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(110, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 12.1802, 5.6149, 30.5788 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(110, 0, 153) }
```


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

```
.border{ border-color:rgb(110, 0, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 0, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(110, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1802, 5.6149, 30.5788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 0, 153) }
```

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

```
.background{ background-color: rgb(110, 0,  
153) }
```

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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