

Converting Colors

XYZ(12.2316, 5.9233, 29.3531)

Have a look what the booklet for
XYZ(12.2316, 5.9233, 29.3531)
contains.

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Color

**XYZ(12.2314, 5.9232,
29.3528)**

Conversions

Conversions Part 1

Format	Color
Hex	6F0F96
RGB	111, 15, 150
RGB Percent	44%, 6%, 59%
CMY	0.5647, 0.9412, 0.4118
CMYK	0.26, 0.90, 0.00, 0.41
HSL	283°, 82%, 32%
HSV	283°, 90%, 59%
XYZ	12.2314, 5.9232, 29.3528
YIQ	59.0940, 13.8810, 62.3370

Conversions

Conversions Part 2

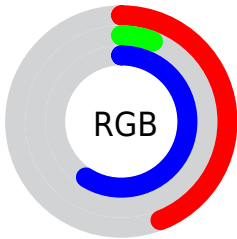
Format	Color
R_{YB}	111, 15, 150
Decimal	7278486
CIE _{Lab}	29.22, 57.53, -51.24
CIE _{LCh}	29, 77.039, 318.311
Yxy	5.9232, 0.2575, 0.1247
Android (android.graphics.Color)	4285468566 (0xFF6F0F96)
YUV	59.0940, 44.8167, 45.5216
Hunter-Lab	24.3376, 47.1182, -54.4714

Details

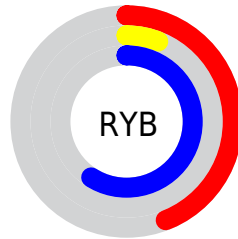
The XYZ color **12.2314, 5.9232, 29.3528** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **12.5141, 22.6316, 4.1609**, and the grayscale version is **4.1098, 4.3238, 4.7087**.

A 20% lighter version of the original color is **29.5402, 17.7922, 59.6349**, and **3.8355, 1.7226, 11.6856** is the 20% darker color. If you saturate the color by 10%, you get **11.5287, 5.3074, 29.2711**, and if you desaturate by 10%, it is **13.0838, 6.7984, 29.4769**.

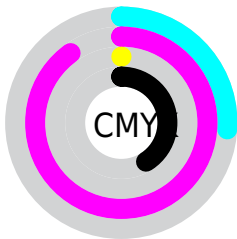
Distribution



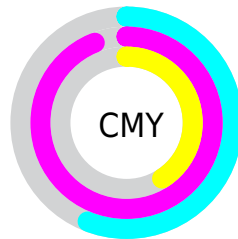
- Red (44%)
- Green (6%)
- Blue (59%)



- Red (44%)
- Yellow (6%)
- Blue (59%)



- Cyan (26%)
- Magenta (90%)
- Yellow (0%)
- Black (41%)



- Cyan (56%)
- Magenta (94%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2314, 5.9232, 29.3528 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 12.2314, 5.9232, 29.3528 by changing the saturation by 10% instead.

12.2314, 5.9232,
29.3528

12.2314, 5.9232,
29.3528

199.6700,
158.3902, 312.9888

6.9748, 2.7984,
19.1000

29.5291, 17.7716,
59.6860

3.4925, 1.0274,
11.5650

42.3008, 27.2640,
80.6035

1.4193, 0.0000,
6.3293

58.3084, 39.6477,
105.9130

0.2699, 0.0000,
2.9743

77.9170, 55.3072,
136.0329

0.0000, 0.0000,
1.0815

101.4922, 74.6268,
171.3820

0.0000, 0.0000,
0.0000

129.3992, 97.9909,

212.3786

162.0033,
125.7839, 259.4414

12.2314, 5.9232,
29.3528

12.2314, 5.9232,
29.3528

11.5287, 5.3074,
29.2711

13.0838, 6.7984,
29.4769

11.5285, 5.3072,
29.2711

14.1434, 8.0485,
29.6624

15.4336, 9.7194,
29.9169

16.9740, 11.8500,
30.2469

18.7822, 14.4747,
30.6583

■ 20.8739, 17.6246,
31.1560

■ 23.2636, 21.3282,
31.7449

■ 25.9649, 25.6119,
32.4294

■ 28.9901, 30.5004,
33.2135

Harmonies

Analogous

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



7.9985, 5.9232, 46.9528



12.2314, 5.9232, 29.3528



15.0241, 5.9232, 11.1500

Triad

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



12.2314, 5.9232, 29.3528



7.0935, 5.9232, 0.0000



1.3728, 5.9232, 14.5140

Complementary

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



12.2314, 5.9232, 29.3528



12.5141, 22.6316, 4.1609

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.



1.2964, 5.9232, 3.2996



12.2314, 5.9232, 29.3528



3.7821, 5.9232, 0.0000

Square

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



12.2314, 5.9232, 29.3528



11.3393, 5.9232, 0.0000



1.9713, 5.9232, 0.0000



2.2548, 5.9232, 33.8541

Rectangle

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



12.2314, 5.9232, 29.3528



15.1559, 5.9232, 4.0617



1.9713, 5.9232, 0.0000



1.2709, 5.9232, 9.6266

Sweetspot

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



12.2317, 5.9234, 29.3529



37.8274, 32.6220, 55.2242



7.0923, 5.0841, 29.4618



8.1139, 6.8169, 12.1730



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.



12.2317, 5.9234, 29.3529



20.1656, 9.2735, 51.6484



16.3238, 8.2559, 19.4725



5.8738, 5.8259, 7.2847



9.5941, 4.4185, 24.2782



0.1467, 0.0692, 0.2985

Inverse Universe

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



13.4145, 7.0922, 4.1523



22.9103, 11.7283, 4.7959



11.5215, 22.0816, 5.8458



5.8656, 5.8413, 6.3985



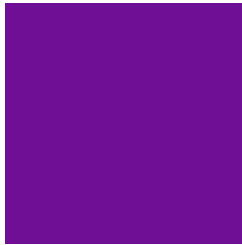
10.8109, 5.5294, 2.4854



0.1438, 0.0723, 0.0910

Previews

White Background



This preview shows how the XYZ color 12.2314, 5.9232, 29.3528 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

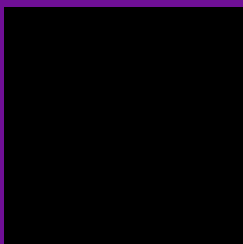
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2314, 5.9232, 29.3528

Background



This preview shows how black text looks on a background with the XYZ color 12.2314, 5.9232, 29.3528.



This preview shows how white text looks on a background with the XYZ color 12.2314, 5.9232,

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

12.2314, 5.9232, 29.3528

Protanopia

7.1012, 6.1479, 27.1979

Deuteranopia

6.0190, 6.1154, 20.2652



Tritanopia

7.4710, 6.1433, 5.6425

Trichromacy



Original Color

12.2314, 5.9232, 29.3528

Protanomaly

7.1617, 4.7231, 27.7283

Deuteranomaly

6.3620, 4.5400, 23.0953

Tritanomaly

8.4457, 5.4524, 11.4337

Monochromacy



Original Color

12.2314, 5.9232, 29.3528

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.9375, 4.1202, 10.6075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2314, 5.9232, 29.3528 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(111, 15, 150)` looks like.

```
.text, #text, p{  
    color:rgb(111, 15, 150)  
}
```

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(111, 15, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 15, 150) }
```

Border

The CSS property to change the border of an element to XYZ 12.2314, 5.9232, 29.3528 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(111, 15, 150) }
```


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

```
.border{ border-color:rgb(111, 15, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 15, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 15, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 15, 150);  
box-shadow:4px 4px 4px 4px rgb(111, 15,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2314, 5.9232, 29.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 15, 150) }
```

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

```
.background{ background-color: rgb(111, 15,  
150) }
```

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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