

Converting Colors

XYZ(12.5753, 5.8468, 29.3199)

Have a look what the booklet for
XYZ(12.5753, 5.8468, 29.3199)
contains.

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Color

**XYZ(12.5753, 5.8468,
29.3199)**

Conversions

Conversions Part 1

Format	Color
Hex	730096
RGB	115, 0, 150
RGB Percent	45%, 0%, 59%
CMY	0.5490, 1.0000, 0.4118
CMYK	0.23, 1.00, 0.00, 0.41
HSL	286°, 100%, 29%
HSV	286°, 100%, 59%
XYZ	12.5753, 5.8468, 29.3199
YIQ	51.4850, 20.3900, 71.0300

Conversions

Conversions Part 2

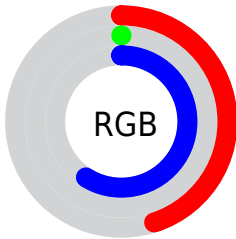
Format	Color
RYB	115, 0, 150
Decimal	7536790
CIELab	29.02, 60.72, -51.53
CIElCh	29, 79.632, 319.681
Yxy	5.8468, 0.2634, 0.1225
Android (android.graphics.Color)	4285726870 (0xFF730096)
YUV	51.4850, 48.5679, 55.7027
Hunter-Lab	24.1802, 50.5167, -54.9666

Details

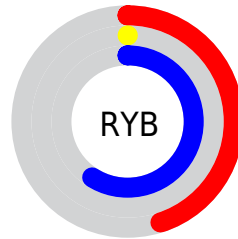
The XYZ color **12.5753, 5.8468, 29.3199** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **11.5994, 22.1700, 3.6679**, and the grayscale version is **3.1467, 3.3106, 3.6052**.

A 20% lighter version of the original color is **30.0673, 17.5722, 59.5647**, and **4.0681, 1.8425, 11.6965** is the 20% darker color. If you saturate the color by 10%, you get **12.5756, 5.8470, 29.3200**, and if you desaturate by 10%, it is **13.2155, 6.4305, 29.3989**.

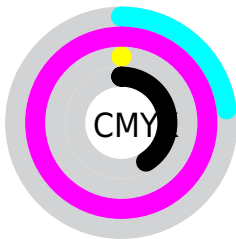
Distribution



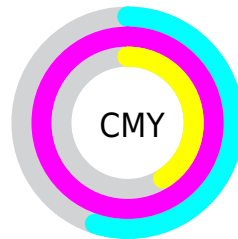
- Red (45%)
- Green (0%)
- Blue (59%)



- Red (45%)
- Yellow (0%)
- Blue (59%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (41%)



- Cyan (55%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5753, 5.8468, 29.3199 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 12.5753, 5.8468, 29.3199 by changing the saturation by 10% instead.

12.5753, 5.8468,
29.3199

12.5753, 5.8468,
29.3199

201.8707,
157.7050, 312.8294

7.2117, 2.7521,
19.0753

30.1465, 17.6124,
59.6332

3.6424, 1.0037,
11.5473

43.0848, 27.0522,
80.5390

1.5019, 0.0000,
6.3175

59.2788, 39.3758,
105.8355

0.3271, 0.0000,
2.9672

79.0938, 54.9676,
135.9415


0.0000, 0.0000,
1.0779

102.8951, 74.2121,
171.2753

0.0000, 0.0000,
0.0000

131.0481, 97.4935,


212.2555

 163.9182,
125.1964, 259.3007


 12.5753, 5.8468,
29.3199

 12.5753, 5.8468,
29.3199


 12.5756, 5.8470,
29.3200

 13.2155, 6.4305,
29.3989

 13.9956, 7.2683,
29.5195

 14.9743, 8.4766,
29.7012

 16.1744, 10.1010,
29.9515

 17.6154, 12.1802,
30.2768

■ 19.3147, 14.7487,
30.6830

■ 21.2879, 17.8374,
31.1752

■ 23.5493, 21.4747,
31.7581

■ 26.1123, 25.6870,
32.4361

Harmonies

Analogous

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



8.1942, 5.8468, 48.3707



12.5753, 5.8468, 29.3199



15.3704, 5.8468, 10.5602

Triad

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



12.5753, 5.8468, 29.3199



6.8749, 5.8468, 0.0000



1.2840, 5.8468, 15.5066

Complementary

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



12.5753, 5.8468, 29.3199



11.5994, 22.1700, 3.6679

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.



1.1783, 5.8468, 3.4620



12.5753, 5.8468, 29.3199



3.5570, 5.8468, 0.0000

Square

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



12.5753, 5.8468, 29.3199



11.2630, 5.8468, 0.0000



1.8029, 5.8468, 0.0000



2.2020, 5.8468, 36.0349

Rectangle

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



12.5753, 5.8468, 29.3199



15.3965, 5.8468, 3.6072



1.8029, 5.8468, 0.0000



1.1736, 5.8468, 10.2618

Sweetspot

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



12.5756, 5.8470, 29.3200



37.3486, 31.1303, 54.9615



6.1061, 3.4041, 29.1895



7.9734, 6.4202, 12.1038



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.



12.5756, 5.8470, 29.3200



22.0336, 10.2365, 51.7358



15.3922, 7.6098, 15.4095



5.9044, 5.8417, 7.2861



10.4589, 4.8643, 24.3187



0.1538, 0.0728, 0.2989

Inverse Universe

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



12.8811, 6.6054, 2.1860



22.6747, 11.6340, 3.5551



11.2894, 21.9660, 5.6523



5.8530, 5.8362, 6.3318



10.6941, 5.4827, 1.8703



0.1407, 0.0710, 0.0746

Previews

White Background



This preview shows how the XYZ color 12.5753, 5.8468, 29.3199 looks on a white background.

Color Contrast Check

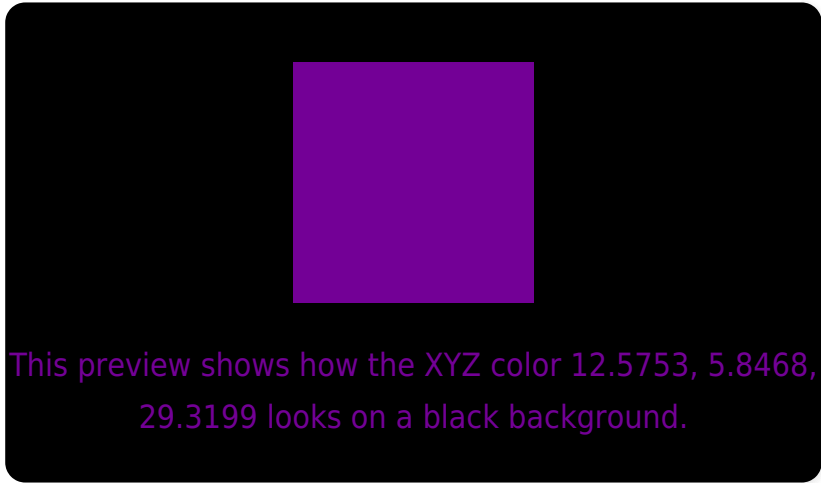
Large Text (above 18pt) WCAG AA ✓ Pass

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

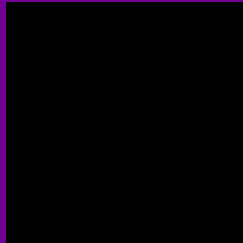
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5753, 5.8468, 29.3199

Background



This preview shows how black text looks on a background with the XYZ color 12.5753, 5.8468, 29.3199.



This preview shows how white text looks on a background with the XYZ color 12.5753, 5.8468,

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

12.5753, 5.8468, 29.3199

Protanopia

7.3164, 6.3316, 28.0306

Deuteranopia

6.2133, 6.2974, 20.9667



Tritanopia

7.9407, 6.3116, 5.5024

Trichromacy



Original Color

12.5753, 5.8468, 29.3199

Protanomaly

7.1220, 4.4002, 28.0777

Deuteranomaly

6.3050, 4.1955, 23.3992

Tritanomaly

8.8221, 5.3382, 11.3919

Monochromacy



Original Color

12.5753, 5.8468, 29.3199

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.0609, 3.1770, 9.3633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5753, 5.8468, 29.3199 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(115, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 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(115, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 150) }
```

Border

The CSS property to change the border of an element to XYZ 12.5753, 5.8468, 29.3199 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(115, 0, 150) }
```


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

```
.border{ border-color:rgb(115, 0, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 0, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(115, 0,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5753, 5.8468, 29.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 150) }
```

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

```
.background{ background-color: rgb(115, 0,  
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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