

Converting Colors

XYZ(12.9930, 6.0580, 29.5290)

Have a look what the booklet for
XYZ(12.9930, 6.0580, 29.5290)
contains.

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Color

**XYZ(12.9762, 6.0536,
29.3387)**

Conversions

Conversions Part 1

Format	Color
Hex	760096
RGB	118, 0, 150
RGB Percent	46%, 0%, 59%
CMY	0.5373, 1.0000, 0.4118
CMYK	0.21, 1.00, 0.00, 0.41
HSL	287°, 100%, 29%
HSV	287°, 100%, 59%
XYZ	12.9762, 6.0536, 29.3387
YIQ	52.3820, 22.1780, 71.6660

Conversions

Conversions Part 2

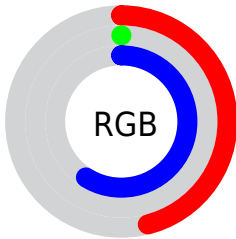
Format	Color
R_{YB}	118, 0, 150
Decimal	7733398
CIE _{Lab}	29.55, 61.13, -50.65
CIE _{LCh}	30, 79.389, 320.358
Yxy	6.0536, 0.2683, 0.1252
Android (android.graphics.Color)	4285923478 (0xFF760096)
YUV	52.3820, 48.1257, 57.5470
Hunter-Lab	24.6041, 51.0839, -53.4765

Details

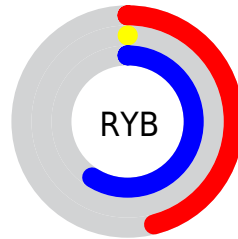
The XYZ color **12.9762, 6.0536, 29.3387** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **11.5023, 22.1200, 3.6636**, and the grayscale version is **3.2528, 3.4222, 3.7268**.

A 20% lighter version of the original color is **30.7924, 18.0412, 59.6170**, and **4.2545, 1.9386, 11.7052** is the 20% darker color. If you saturate the color by 10%, you get **12.9762, 6.0535, 29.3388**, and if you desaturate by 10%, it is **13.5894, 6.6234, 29.4165**.

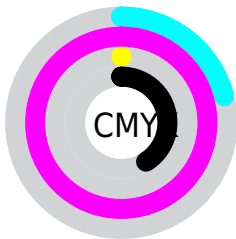
Distribution



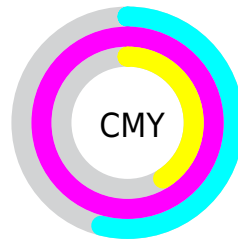
- Red (46%)
- Green (0%)
- Blue (59%)



- Red (46%)
- Yellow (0%)
- Blue (59%)



- Cyan (21%)
- Magenta (100%)
- Yellow (0%)
- Black (41%)



- Cyan (54%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9762, 6.0536, 29.3387 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 12.9762, 6.0536, 29.3387 by changing the saturation by 10% instead.

■ 12.9762, 6.0536,
29.3387

■ 12.9762, 6.0536,
29.3387

204.4058,
159.5506, 312.9205

■ 7.4890, 2.8777,
19.0894

■ 30.8627, 18.0422,
59.6634

■ 3.8188, 1.0682,
11.5574

■ 43.9928, 27.6238,
80.5758

■ 1.6001, 0.0000,
6.3242

■ 60.4012, 40.1093,
105.8798

■ 0.3925, 0.0000,
2.9713

■ 80.4533, 55.8832,
135.9937

■ 0.0000, 0.0000,
1.0800

■ 104.5144, 75.3299,
171.3362

■ 0.0000, 0.0000,
0.0000

■ 132.9500, 98.8338,

212.3258

166.1253,
126.7792, 259.3811

12.9762, 6.0536,
29.3387

12.9762, 6.0536,
29.3387

12.9762, 6.0535,
29.3388

13.5894, 6.6234,
29.4165

14.3398, 7.4460,
29.5357

15.2860, 8.6378,
29.7159

16.4507, 10.2441,
29.9645

17.8535, 12.3038,
30.2882

■ 19.5116, 14.8512,
30.6925

■ 21.4406, 17.9174,
31.1826

■ 23.6547, 21.5306,
31.7633

■ 26.1674, 25.7172,
32.4390

Harmonies

Analogous

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



8.5397, 6.0536, 48.7080



12.9762, 6.0536, 29.3387



15.7432, 6.0536, 10.5383

Triad

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



12.9762, 6.0536, 29.3387



7.0038, 6.0536, 0.0000



1.3772, 6.0536, 16.2784

Complementary

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



12.9762, 6.0536, 29.3387



11.5023, 22.1200, 3.6636

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.



1.2511, 6.0536, 3.7782



12.9762, 6.0536, 29.3387



3.6511, 6.0536, 0.0000

Square

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



12.9762, 6.0536, 29.3387



11.4545, 6.0536, 0.0000



1.8788, 6.0536, 0.0206



2.3507, 6.0536, 37.0780

Rectangle

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



12.9762, 6.0536, 29.3387



15.7135, 6.0536, 3.6107



1.8788, 6.0536, 0.0206



1.2566, 6.0536, 10.8787

Sweetspot

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



12.9765, 6.0538, 29.3388



37.6207, 31.2705, 54.9742



6.0354, 3.2626, 29.1659



8.0404, 6.4548, 12.1069



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.



12.9765, 6.0538, 29.3388



22.7494, 10.6054, 51.7693



15.2582, 7.5564, 14.7033



5.9155, 5.8474, 7.2866



10.7895, 5.0347, 24.3342



0.1563, 0.0741, 0.2990

Inverse Universe

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



12.8386, 6.5886, 1.9621



22.6031, 11.6054, 3.1783



11.3335, 21.9836, 5.8842



5.8484, 5.8344, 6.3080



10.6581, 5.4683, 1.6807



0.1396, 0.0706, 0.0688

Previews

White Background



This preview shows how the XYZ color 12.9762, 6.0536, 29.3387 looks on a white background.

Color Contrast Check

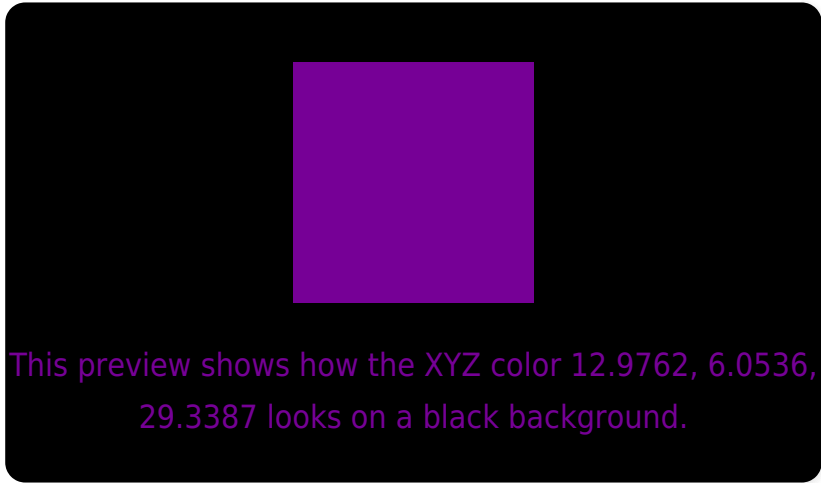
Large Text (above 18pt) WCAG AA ✓ Pass

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

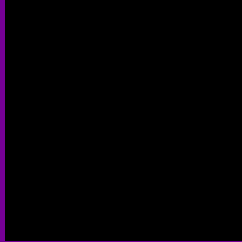
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9762, 6.0536, 29.3387

Background



This preview shows how black text looks on a background with the XYZ color 12.9762, 6.0536, 29.3387.



This preview shows how white text looks on a background with the XYZ color 12.9762, 6.0536,

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

12.9762, 6.0536, 29.3387

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.4112, 6.4825, 21.6822



Tritanopia

8.2869, 6.4901, 5.5186

Trichromacy



Original Color

12.9762, 6.0536, 29.3387

Protanomaly

7.3595, 4.5603, 28.9261

Deuteranomaly

6.5281, 4.3528, 24.1630

Tritanomaly

9.1891, 5.5274, 11.4091

Monochromacy



Original Color

12.9762, 6.0536, 29.3387

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2858, 3.3288, 9.5964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9762, 6.0536, 29.3387 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, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 0, 150) }
```

Border

The CSS property to change the border of an element to XYZ 12.9762, 6.0536, 29.3387 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, 0, 150) }
```


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

```
.border{ border-color:rgb(118, 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(118, 0, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(118, 0,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9762, 6.0536, 29.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 0, 150) }
```

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

```
.background{ background-color: rgb(118, 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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