

Converting Colors

XYZ(12.6951, 5.9668, 33.0801)

Have a look what the booklet for
XYZ(12.6951, 5.9668, 33.0801)
contains.

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Color

**XYZ(12.7861, 6.0136,
33.2877)**

Conversions

Conversions Part 1

Format	Color
Hex	6E099F
RGB	110, 9, 159
RGB Percent	43%, 4%, 62%
CMY	0.5686, 0.9647, 0.3765
CMYK	0.31, 0.94, 0.00, 0.38
HSL	280°, 89%, 33%
HSV	280°, 94%, 62%
XYZ	12.7861, 6.0136, 33.2877
YIQ	56.2990, 12.0460, 68.0620

Conversions

Conversions Part 2

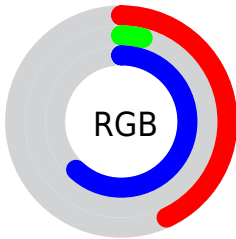
Format	Color
R_{YB}	110, 9, 159
Decimal	7211423
CIE _{Lab}	29.45, 60.30, -56.38
CIE _{LCh}	29, 82.551, 316.928
Yxy	6.0136, 0.2455, 0.1155
Android (android.graphics.Color)	4285401503 (0xFF6E099F)
YUV	56.2990, 50.6316, 47.0958
Hunter-Lab	24.5226, 50.1552, -63.3160

Details

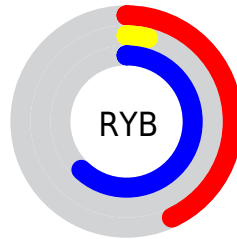
The XYZ color **12.7861, 6.0136, 33.2877** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.1926, 25.7157, 4.4742**, and the grayscale version is **3.7335, 3.9280, 4.2776**.

A 20% lighter version of the original color is **30.6509, 18.0193, 66.1526**, and **4.1228, 1.8249, 13.7706** is the 20% darker color. If you saturate the color by 10%, you get **12.3287, 5.6328, 33.2384**, and if you desaturate by 10%, it is **13.6997, 6.8525, 33.4016**.

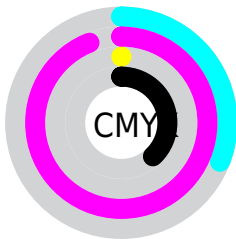
Distribution



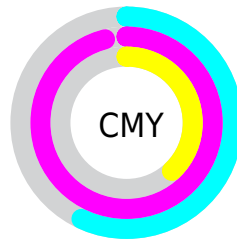
- Red (43%)
- Green (4%)
- Blue (62%)



- Red (43%)
- Yellow (4%)
- Blue (62%)



- Cyan (31%)
- Magenta (94%)
- Yellow (0%)
- Black (38%)



- Cyan (57%)
- Magenta (96%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7861, 6.0136, 33.2877 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 12.7861, 6.0136, 33.2877 by changing the saturation by 10% instead.

■ 12.7861, 6.0136,
33.2877

■ 12.7861, 6.0136,
33.2877

203.2077,
159.1959, 331.6158

■ 7.3574, 2.8534,
22.0740

■ 30.5236, 17.9593,
65.9456

■ 3.7349, 1.0557,
13.7125

■ 43.5630, 27.5136,
88.2269

■ 1.5533, 0.0000,
7.7845

■ 59.8701, 39.9680,
115.0345

■ 0.3617, 0.0000,
3.8716

■ 79.8102, 55.7070,
146.7870

■ 0.0000, 0.0000,
1.5552

■ 103.7487, 75.1148,
183.9028

■ 0.0000, 0.0000,
0.2585


■ 132.0508, 98.5760,

■ 0.0000, 0.0000,

226.8005

0.0000

 165.0820,
126.4749, 275.8987

 12.7861, 6.0136,
33.2877


 12.7861, 6.0136,
33.2877


 12.3287, 5.6328,
33.2384

 13.6997, 6.8525,
33.4016

 14.8441, 8.0966,
33.5814

 16.2495, 9.8044,
33.8370

 17.9403, 12.0240,
34.1763

 19.9380, 14.7976,
34.6064

■ 22.2618, 18.1627,
35.1334

■ 24.9293, 22.1535,
35.7631

■ 27.9565, 26.8015,
36.5007

■ 31.3586, 32.1363,
37.3511

Harmonies

Analogous

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



8.0885, 6.0136, 53.0045



12.7861, 6.0136, 33.2877



16.0393, 6.0136, 12.4324

Triad

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



12.7861, 6.0136, 33.2877



7.5108, 6.0136, 0.0000



1.2152, 6.0136, 14.6110

Complementary

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



12.7861, 6.0136, 33.2877



14.1926, 25.7157, 4.4742

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.



1.1709, 6.0136, 2.8938



12.7861, 6.0136, 33.2877



3.8593, 6.0136, 0.0000

Square

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



12.7861, 6.0136, 33.2877



12.2070, 6.0136, 0.0000



1.8954, 6.0136, 0.0000



2.0649, 6.0136, 36.2846

Rectangle

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



12.7861, 6.0136, 33.2877



16.3084, 6.0136, 4.3553



1.8954, 6.0136, 0.0000



1.1248, 6.0136, 9.3747

Sweetspot

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



12.7864, 6.0138, 33.2878



42.5649, 36.5361, 63.5522



7.9348, 5.6895, 33.4810



9.1630, 7.5912, 14.2260



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



12.7864, 6.0138, 33.2878



21.8680, 9.9787, 59.5170



18.6990, 9.2877, 23.3617



6.6934, 6.6459, 8.3367



9.7827, 4.4722, 26.2548



0.2173, 0.1018, 0.4714

Inverse Universe

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



15.1596, 7.8719, 4.7237



26.6339, 13.6116, 6.6083



12.7997, 24.9700, 5.6587



6.7179, 6.6801, 7.3658



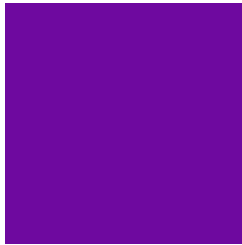
11.7991, 6.0242, 3.1931



0.2293, 0.1150, 0.1536

Previews

White Background



This preview shows how the XYZ color 12.7861, 6.0136, 33.2877 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

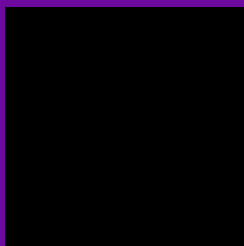
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7861, 6.0136, 33.2877

Background



This preview shows how black text looks on a background with the XYZ color 12.7861, 6.0136, 33.2877.



This preview shows how white text looks on a background with the XYZ color 12.7861, 6.0136,

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

12.7861, 6.0136, 33.2877

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.1484, 6.2714, 20.6251



Tritanopia

7.3518, 6.2302, 6.1253

Trichromacy



Original Color

12.7861, 6.0136, 33.2877

Protanomaly

7.3966, 4.6862, 29.3688

Deuteranomaly

6.6031, 4.5673, 24.5783

Tritanomaly

8.4197, 5.3572, 12.6469

Monochromacy



Original Color

12.7861, 6.0136, 33.2877

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.6818, 3.7779, 10.7857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7861, 6.0136, 33.2877 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, 9, 159)` looks like.

```
.text, #text, p{  
    color:rgb(110, 9, 159)  
}
```

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, 9, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 9, 159) }
```

Border

The CSS property to change the border of an element to XYZ 12.7861, 6.0136, 33.2877 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, 9, 159) }
```


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

```
.border{ border-color:rgb(110, 9, 159) }
```

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

Here you see how a box with a 4 pixel rgb(110, 9, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 9, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 9, 159);  
box-shadow:4px 4px 4px 4px rgb(110, 9,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7861, 6.0136, 33.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 9, 159) }
```

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

```
.background{ background-color: rgb(110, 9,  
159) }
```

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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