

Converting Colors

XYZ(13.2515, 6.0658, 35.2186)

Have a look what the booklet for
XYZ(13.2515, 6.0658, 35.2186)
contains.

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Color

**XYZ(13.2930, 6.0891,
35.1250)**

Conversions

Conversions Part 1

Format	Color
Hex	7000A3
RGB	112, 0, 163
RGB Percent	44%, 0%, 64%
CMY	0.5608, 1.0000, 0.3608
CMYK	0.31, 1.00, 0.00, 0.36
HSL	281°, 100%, 32%
HSV	281°, 100%, 64%
XYZ	13.2930, 6.0891, 35.1250
YIQ	52.0700, 14.4290, 74.4370

Conversions

Conversions Part 2

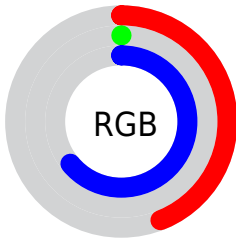
Format	Color
RYB	112, 0, 163
Decimal	7340195
CIELab	29.64, 62.83, -58.48
CIElCh	30, 85.836, 317.051
Yxy	6.0891, 0.2439, 0.1117
Android (android.graphics.Color)	4285530275 (0xFF7000A3)
YUV	52.0700, 54.6885, 52.5586
Hunter-Lab	24.6761, 52.9747, -67.1226

Details

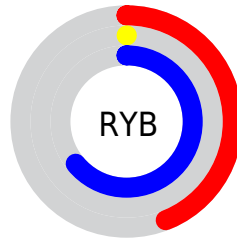
The XYZ color **13.2930, 6.0891, 35.1250** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.4624, 26.8982, 4.4297**, and the grayscale version is **3.2087, 3.3758, 3.6762**.

A 20% lighter version of the original color is **31.4016, 18.0560, 68.8479**, and **4.3900, 1.9380, 14.8945** is the 20% darker color. If you saturate the color by 10%, you get **13.2933, 6.0893, 35.1251**, and if you desaturate by 10%, it is **14.1506, 6.8129, 35.2196**.

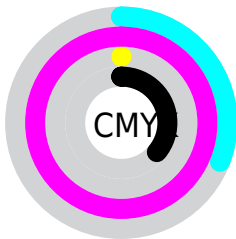
Distribution



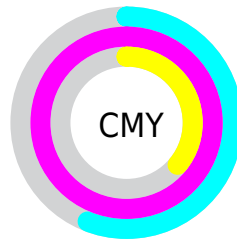
- Red (44%)
- Green (0%)
- Blue (64%)



- Red (44%)
- Yellow (0%)
- Blue (64%)



- Cyan (31%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)



- Cyan (56%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2930, 6.0891, 35.1250 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 13.2930, 6.0891, 35.1250 by changing the saturation by 10% instead.

13.2930, 6.0891,
35.1250

13.2930, 6.0891,
35.1250

206.3869,
159.8646, 340.0407

7.7090, 2.8993,
23.4749

31.4260, 18.1157,
68.8331

3.9595, 1.0794,
14.7359

44.7058, 27.7213,
91.7282

1.6793, 0.0000,
8.4897

61.2815, 40.2344,
119.2087

0.4432, 0.0000,
4.3176

81.5185, 56.0393,
151.6931

0.0000, 0.0000,
1.8012

105.7822, 75.5203,
189.5999


0.0000, 0.0000,
0.4287


134.4379, 99.0620,

0.0000, 0.0000,


233.3478


0.0000


 167.8510,
127.0486, 283.3552


 13.2930, 6.0891,
35.1250


 13.2930, 6.0891,
35.1250


 13.2933, 6.0893,
35.1251

 14.1506, 6.8129,
35.2196

 15.1985, 7.8624,
35.3670

 16.5025, 9.3680,
35.5889

 18.0914, 11.3861,
35.8946

 19.9897, 13.9648,
36.2923

■ 22.2188, 17.1467,
36.7890

■ 24.7984, 20.9699,
37.3910

■ 27.7463, 25.4695,
38.1042

■ 31.0792, 30.6781,
38.9338

Harmonies

Analogous

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



8.3055, 6.0891, 56.5313



13.2930, 6.0891, 35.1250



16.7564, 6.0891, 12.7775

Triad

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



13.2930, 6.0891, 35.1250



7.6566, 6.0891, 0.0000



1.1458, 6.0891, 15.2448

Complementary

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



13.2930, 6.0891, 35.1250



14.4624, 26.8982, 4.4297

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.



1.0987, 6.0891, 2.8596



13.2930, 6.0891, 35.1250



3.8380, 6.0891, 0.0000

Square

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



13.2930, 6.0891, 35.1250



12.6365, 6.0891, 0.0000



1.8246, 6.0891, 0.0000



2.0081, 6.0891, 38.5699

Rectangle

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



13.2930, 6.0891, 35.1250



17.0328, 6.0891, 4.3072



1.8246, 6.0891, 0.0000



1.0546, 6.0891, 9.6662

Sweetspot

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



13.2933, 6.0893, 35.1252



44.1374, 37.1426, 66.8991



7.8219, 5.0663, 35.2161



9.4824, 7.6989, 14.9238



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



13.2933, 6.0893, 35.1252



23.5927, 10.7948, 62.8963



19.3460, 9.4833, 23.0435



7.1477, 7.0905, 8.8950



10.3795, 4.7573, 27.3010



0.2633, 0.1233, 0.5758

Inverse Universe

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



15.7018, 8.0256, 3.8533



28.0404, 14.3410, 6.4783



13.3301, 26.2876, 5.5920



7.1608, 7.1208, 7.8332



12.2217, 6.2447, 3.0921



0.2773, 0.1394, 0.1727

Previews

White Background



This preview shows how the XYZ color 13.2930, 6.0891, 35.1250 looks on a white background.

Color Contrast Check

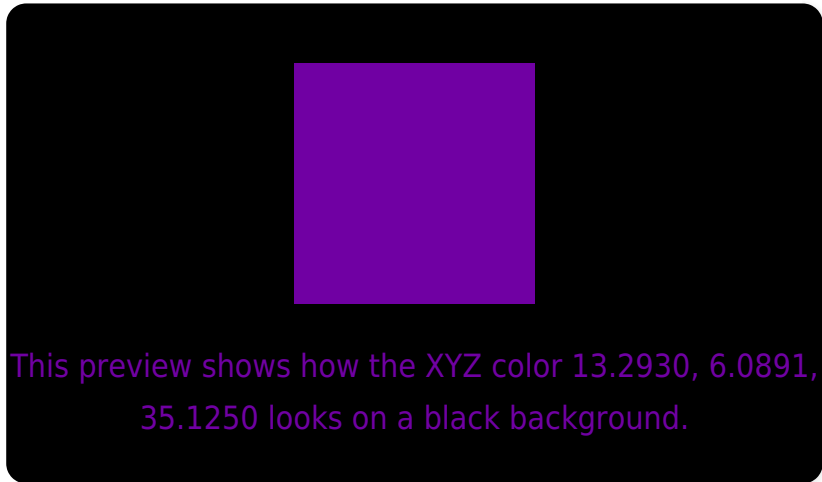
Large Text (above 18pt) WCAG AA ✓ Pass

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

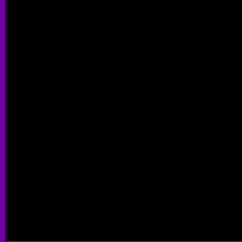
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2930, 6.0891, 35.1250

Background



This preview shows how black text looks on a background with the XYZ color 13.2930, 6.0891, 35.1250.



This preview shows how white text looks on a background with the XYZ color 13.2930, 6.0891, 35.1250.

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

13.2930, 6.0891, 35.1250

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.4124, 6.5907, 21.3562



Tritanopia

7.7314, 6.5833, 6.4934

Trichromacy



Original Color

13.2930, 6.0891, 35.1250

Protanomaly

7.6026, 4.6481, 30.6335

Deuteranomaly

6.7791, 4.5084, 25.7122

Tritanomaly

8.7206, 5.3899, 13.4127

Monochromacy



Original Color

13.2930, 6.0891, 35.1250

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2997, 3.3163, 10.4860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2930, 6.0891, 35.1250 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(112, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 163)  
}
```

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(112, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 13.2930, 6.0891, 35.1250 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(112, 0, 163) }
```


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

```
.border{ border-color:rgb(112, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2930, 6.0891, 35.1250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 163) }
```

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

```
.background{ background-color: rgb(112, 0,  
163) }
```

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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