

Converting Colors

XYZ(13.1491, 6.0128, 35.2119)

Have a look what the booklet for
XYZ(13.1491, 6.0128, 35.2119)
contains.

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Color

**XYZ(13.1664, 6.0239,
35.1191)**

Conversions

Conversions Part 1

Format	Color
Hex	6F00A3
RGB	111, 0, 163
RGB Percent	44%, 0%, 64%
CMY	0.5647, 1.0000, 0.3608
CMYK	0.32, 1.00, 0.00, 0.36
HSL	281°, 100%, 32%
HSV	281°, 100%, 64%
XYZ	13.1664, 6.0239, 35.1191
YIQ	51.7710, 13.8330, 74.2250

Conversions

Conversions Part 2

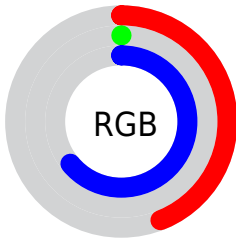
Format	Color
R _{YB}	111, 0, 163
Decimal	7274659
CIE Lab	29.47, 62.71, -58.76
CIE LCh	29, 85.934, 316.862
Yxy	6.0239, 0.2424, 0.1109
Android (android.graphics.Color)	4285464739 (0xFF6F00A3)
YUV	51.7710, 54.8359, 51.9438
Hunter-Lab	24.5436, 52.8047, -67.6566

Details

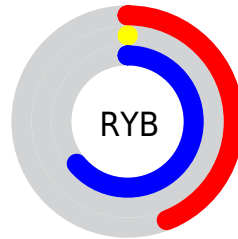
The XYZ color **13.1664, 6.0239, 35.1191** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.5136, 26.9246, 4.4322**, and the grayscale version is **3.1738, 3.3391, 3.6363**.

A 20% lighter version of the original color is **31.1879, 17.9458, 68.8379**, and **4.3358, 1.9101, 14.8920** is the 20% darker color. If you saturate the color by 10%, you get **13.1665, 6.0239, 35.1192**, and if you desaturate by 10%, it is **14.0301, 6.7509, 35.2140**.

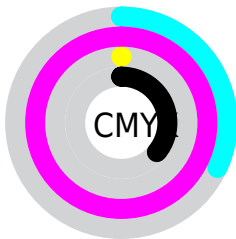
Distribution



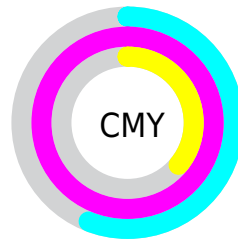
- Red (44%)
- Green (0%)
- Blue (64%)



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



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1664, 6.0239, 35.1191 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 13.1664, 6.0239, 35.1191 by changing the saturation by 10% instead.

13.1664, 6.0239,
35.1191

13.1664, 6.0239,
35.1191

205.5975,
159.2873, 340.0139

7.6210, 2.8596,
23.4703

31.2012, 17.9807,
68.8239

3.9032, 1.0589,
14.7326

44.4213, 27.5420,
91.7170

1.6475, 0.0000,
8.4874

60.9304, 40.0044,
119.1953

0.4231, 0.0000,
4.3162

81.0937, 55.7524,
151.6774

0.0000, 0.0000,
1.8004

105.2768, 75.1703,
189.5818


0.0000, 0.0000,
0.4282


133.8449, 98.6424,


0.0000, 0.0000,


233.3269


0.0000

 167.1633,
126.5533, 283.3315

 13.1664, 6.0239,
35.1191

 13.1664, 6.0239,
35.1191


 13.1665, 6.0239,
35.1192

 14.0301, 6.7509,
35.2140

 15.0855, 7.8043,
35.3617

 16.3985, 9.3146,
35.5840

 17.9977, 11.3381,
35.8903

 19.9078, 13.9231,
36.2886

■ 22.1504, 17.1119,
36.7859

■ 24.7449, 20.9430,
37.3886

■ 27.7093, 25.4512,
38.1026

■ 31.0604, 30.6692,
38.9331

Harmonies

Analogous

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



8.1996, 6.0239, 56.4202



13.1664, 6.0239, 35.1191



16.6360, 6.0239, 12.7839

Triad

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



13.1664, 6.0239, 35.1191



7.6135, 6.0239, 0.0000



1.1195, 6.0239, 15.0150

Complementary

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



13.1664, 6.0239, 35.1191



14.5136, 26.9246, 4.4322

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.



1.0774, 6.0239, 2.7767



13.1664, 6.0239, 35.1191



3.8071, 6.0239, 0.0000

Square

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



13.1664, 6.0239, 35.1191



12.5726, 6.0239, 0.0000



1.8009, 6.0239, 0.0000



1.9657, 6.0239, 38.2407

Rectangle

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



13.1664, 6.0239, 35.1191



16.9292, 6.0239, 4.3048



1.8009, 6.0239, 0.0000



1.0311, 6.0239, 9.4881

Sweetspot

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



13.1667, 6.0241, 35.1192



44.0389, 37.0918, 66.8945



7.9458, 5.3142, 35.2574



9.4578, 7.6862, 14.9226



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.



13.1667, 6.0241, 35.1192



23.3639, 10.6768, 62.8855



19.5365, 9.5595, 24.0464



7.1436, 7.0884, 8.8948



10.2814, 4.7067, 27.2964



0.2618, 0.1225, 0.5757

Inverse Universe

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



15.7243, 8.0346, 3.9713



28.0794, 14.3566, 6.6835



13.2971, 26.2744, 5.4179



7.1626, 7.1215, 7.8424



12.2393, 6.2518, 3.1847



0.2779, 0.1396, 0.1758

Previews

White Background



This preview shows how the XYZ color 13.1664, 6.0239, 35.1191 looks on a white background.

Color Contrast Check

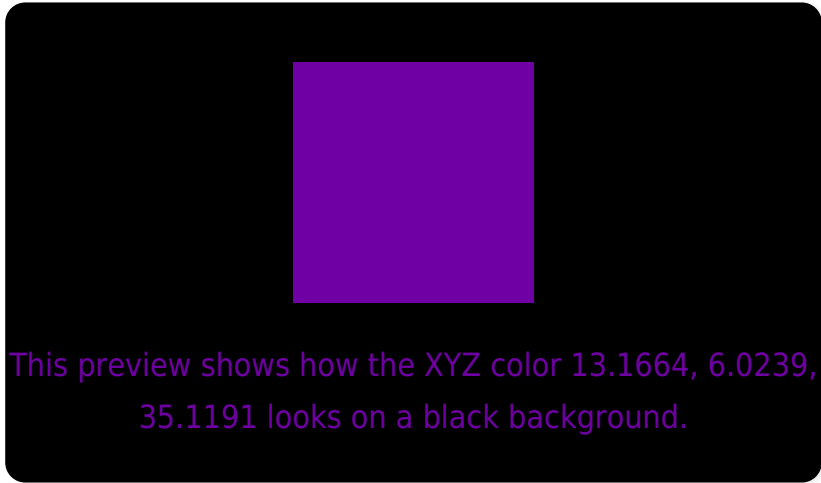
Large Text (above 18pt) WCAG AA ✓ Pass

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

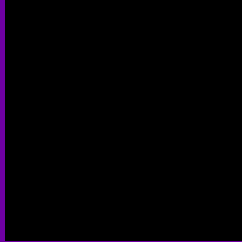
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1664, 6.0239, 35.1191

Background



This preview shows how black text looks on a background with the XYZ color 13.1664, 6.0239, 35.1191.



This preview shows how white text looks on a background with the XYZ color 13.1664, 6.0239,

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

13.1664, 6.0239, 35.1191

Deuteranopia

6.2795, 6.4299, 20.9888

Tritanopia

7.5237, 6.4761, 6.4837

Trichromacy



Original Color

13.1664, 6.0239, 35.1191

Deuteranomaly

6.6252, 4.3776, 25.3067

Tritanomaly

8.4966, 5.2745, 13.4022

Monochromacy



Original Color

13.1664, 6.0239, 35.1191

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2233, 3.2769, 10.4824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1664, 6.0239, 35.1191 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, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(111, 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(111, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 13.1664, 6.0239, 35.1191 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, 0, 163) }
```

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

```
.border{ border-color:rgb(111, 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(111, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(111, 0,  
163) }
```


Background

The CSS property to change the background color of an element to XYZ 13.1664, 6.0239, 35.1191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 0, 163) }
```

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

```
.background{ background-color: rgb(111, 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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