

Converting Colors

XYZ(16.0734, 7.5722, 33.0073)

Have a look what the booklet for
XYZ(16.0734, 7.5722, 33.0073)
contains.

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Color

**XYZ(16.0031, 7.5370,
32.9591)**

Conversions

Conversions Part 1

Format	Color
Hex	86009E
RGB	134, 0, 158
RGB Percent	53%, 0%, 62%
CMY	0.4745, 1.0000, 0.3804
CMYK	0.15, 1.00, 0.00, 0.38
HSL	291°, 100%, 31%
HSV	291°, 100%, 62%
XYZ	16.0031, 7.5370, 32.9591
YIQ	58.0780, 29.1460, 77.5460

Conversions

Conversions Part 2

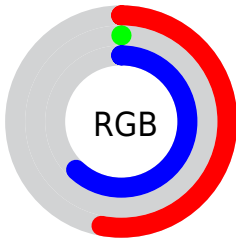
Format	Color
RYB	134, 0, 158
Decimal	8781982
CIELab	33.00, 64.89, -49.81
CIElCh	33, 81.801, 322.493
Yxy	7.5370, 0.2832, 0.1334
Android (android.graphics.Color)	4286972062 (0xFF86009E)
YUV	58.0780, 49.2615, 66.5836
Hunter-Lab	27.4536, 56.0064, -51.9624

Details

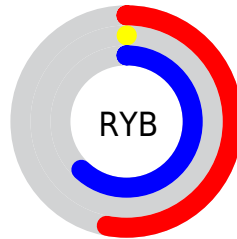
The XYZ color **16.0031, 7.5370, 32.9591** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.6039, 24.6481, 4.0936**, and the grayscale version is **3.9665, 4.1731, 4.5445**.

A 20% lighter version of the original color is **36.0805, 21.0493, 65.1121**, and **5.8260, 2.7029, 13.8503** is the 20% darker color. If you saturate the color by 10%, you get **16.0031, 7.5370, 32.9592**, and if you desaturate by 10%, it is **16.5728, 8.1015, 33.0382**.

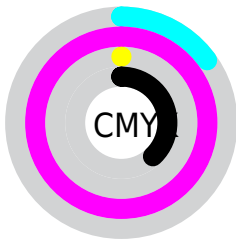
Distribution



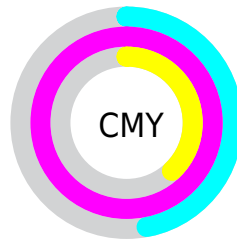
- Red (53%)
- Green (0%)
- Blue (62%)



- Red (53%)
- Yellow (0%)
- Blue (62%)



- Cyan (15%)
- Magenta (100%)
- Yellow (0%)
- Black (38%)



- Cyan (47%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0031, 7.5370, 32.9591 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 16.0031, 7.5370, 32.9591 by changing the saturation by 10% instead.

■ 16.0031, 7.5370,
32.9591

■ 16.0031, 7.5370,
32.9591

■ 222.6300,
172.0540, 330.0918

■ 9.6172, 3.8001,
21.8243

■ 36.1610, 21.0456,
65.4269

■ 5.2062, 1.5624,
13.5307

■ 50.6637, 31.5862,
87.5970

■ 2.4048, 0.3321,
7.6600

■ 68.6027, 45.1635,
114.2826

■ 0.8475, 0.0000,
3.7935

■ 90.3434, 62.1618,
145.9022

■ 0.0000, 0.0000,
1.5128

■ 116.2511, 82.9657,
182.8744

■ 0.0000, 0.0000,
0.2274

■ 146.6913,

■ 0.0000, 0.0000,

107.9594, 225.6177

0.0000

182.0291,
137.5274, 274.5506

16.0031, 7.5370,
32.9591

16.0031, 7.5370,
32.9591

16.0031, 7.5370,
32.9592

16.5728, 8.1015,
33.0382

17.2920, 8.9527,
33.1645

18.2234, 10.2150,
33.3591

19.3929, 11.9405,
33.6305

20.8227, 14.1732,
33.9861

■ 22.5323, 16.9523,
34.4324

■ 24.5393, 20.3130,
34.9753

■ 26.8600, 24.2874,
35.6202

■ 29.5093, 28.9055,
36.3719

Harmonies

Analogous

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



10.8432, 7.5370, 55.8108



16.0031, 7.5370, 32.9591



18.9904, 7.5370, 11.7317

Triad

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



16.0031, 7.5370, 32.9591



8.3072, 7.5370, 0.0000



1.8970, 7.5370, 21.1215

Complementary

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



16.0031, 7.5370, 32.9591



12.6039, 24.6481, 4.0936

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.



1.6746, 7.5370, 5.4694



16.0031, 7.5370, 32.9591



4.4279, 7.5370, 0.0000

Square

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



16.0031, 7.5370, 32.9591



13.5207, 7.5370, 0.0000



2.3817, 7.5370, 0.4957



3.1969, 7.5370, 45.3609

Rectangle

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



16.0031, 7.5370, 32.9591



18.7506, 7.5370, 4.0546



2.3817, 7.5370, 0.4957



1.7227, 7.5370, 14.5185

Sweetspot

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



16.0035, 7.5373, 32.9593



44.3316, 36.4961, 63.4514



6.5487, 3.2227, 32.6248



9.6560, 7.6578, 14.2128



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.



16.0035, 7.5373, 32.9593



28.9260, 13.6172, 59.8473



16.6679, 8.2962, 14.1784



6.8051, 6.7035, 8.3419



12.8432, 6.0499, 26.3981



0.2540, 0.1207, 0.4731

Inverse Universe

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



14.2657, 7.3353, 1.5286



25.8589, 13.3016, 2.5269



12.8622, 24.7079, 7.4201



6.6721, 6.6618, 7.1244



11.4350, 5.8785, 1.2755



0.2147, 0.1092, 0.0765

Previews

White Background



This preview shows how the XYZ color 16.0031, 7.5370, 32.9591 looks on a white background.

Color Contrast Check

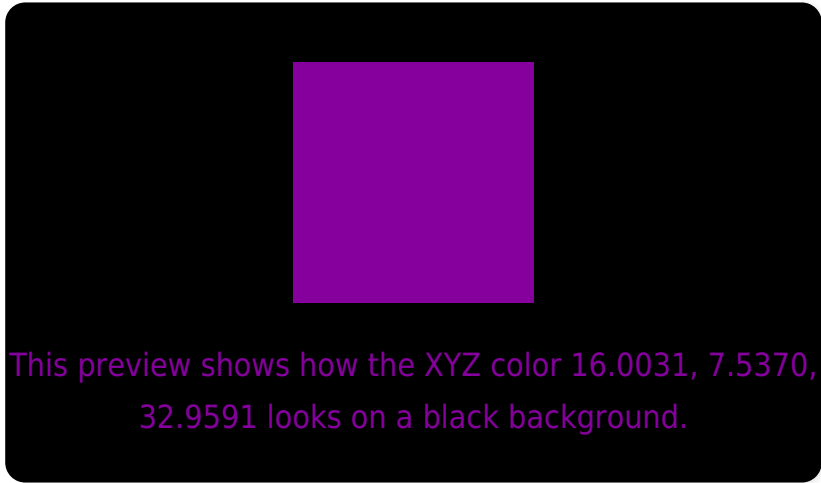
Large Text (above 18pt) WCAG AA ✓ Pass

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

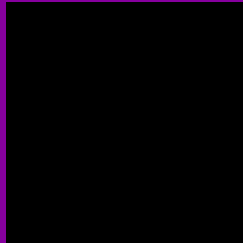
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0031, 7.5370, 32.9591

Background



This preview shows how black text looks on a background with the XYZ color 16.0031, 7.5370, 32.9591.



This preview shows how white text looks on a background with the XYZ color 16.0031, 7.5370,

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

16.0031, 7.5370, 32.9591

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

8.1281, 8.0789, 27.9191



Tritanopia

10.7320, 7.9762, 6.1282

Trichromacy



Original Color

16.0031, 7.5370, 32.9591

Protanomaly

8.9288, 5.5428, 34.7817

Deuteranomaly

7.9996, 5.3110, 29.4577

Tritanomaly

11.5818, 6.7875, 12.5041

Monochromacy



Original Color

16.0031, 7.5370, 32.9591

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5197, 4.1097, 11.0393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0031, 7.5370, 32.9591 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(134, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(134, 0, 158)  
}
```

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(134, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 16.0031, 7.5370, 32.9591 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(134, 0, 158) }
```


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

```
.border{ border-color:rgb(134, 0, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 0, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(134, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0031, 7.5370, 32.9591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 0, 158) }
```

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

```
.background{ background-color: rgb(134, 0,  
158) }
```

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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