

Converting Colors

XYZ(16.4400, 7.6554, 37.8037)

Have a look what the booklet for
XYZ(16.4400, 7.6554, 37.8037)
contains.

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Color

**XYZ(16.4280, 7.6524,
37.6570)**

Conversions

Conversions Part 1

Format	Color
Hex	8300A8
RGB	131, 0, 168
RGB Percent	51%, 0%, 66%
CMY	0.4863, 1.0000, 0.3412
CMYK	0.22, 1.00, 0.00, 0.34
HSL	287°, 100%, 33%
HSV	287°, 100%, 66%
XYZ	16.4280, 7.6524, 37.6570
YIQ	58.3210, 24.1480, 80.0200

Conversions

Conversions Part 2

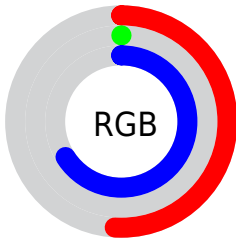
Format	Color
R_{YB}	131, 0, 168
Decimal	8585384
CIE _{Lab}	33.25, 66.24, -55.48
CIE _{LCh}	33, 86.402, 320.054
Yxy	7.6524, 0.2661, 0.1240
Android (android.graphics.Color)	4286775464 (0xFF8300A8)
YUV	58.3210, 54.0717, 63.7395
Hunter-Lab	27.6630, 57.5942, -61.3461

Details

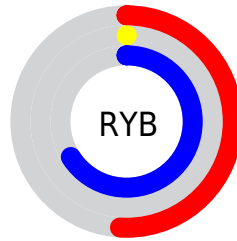
The XYZ color **16.4280, 7.6524, 37.6570** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.7656, 28.3987, 4.7033**, and the grayscale version is **3.9925, 4.2004, 4.5743**.

A 20% lighter version of the original color is **36.7780, 21.2421, 72.6827**, and **5.9962, 2.7337, 16.4313** is the 20% darker color. If you saturate the color by 10%, you get **16.4283, 7.6526, 37.6572**, and if you desaturate by 10%, it is **17.2091, 8.3482, 37.7503**.

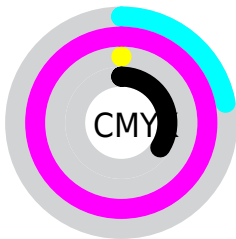
Distribution



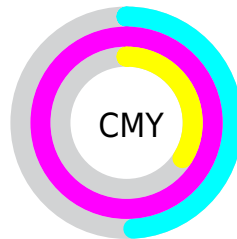
- Red (51%)
- Green (0%)
- Blue (66%)



- Red (51%)
- Yellow (0%)
- Blue (66%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)



- Cyan (49%)
- Magenta (100%)
- Yellow (34%)
- Black (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4280, 7.6524, 37.6570 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 16.4280, 7.6524, 37.6570 by changing the saturation by 10% instead.

■ 16.4280, 7.6524,
37.6570

■ 16.4280, 7.6524,
37.6570

225.0753,
172.9796, 351.4003

■ 9.9203, 3.8733,
25.4168

■ 36.8911, 21.2741,
72.7797

■ 5.4080, 1.6030,
16.1660

■ 51.5773, 31.8856,
96.4993

■ 2.5258, 0.3596,
9.4861

■ 69.7202, 45.5433,
124.8824

■ 0.9083, 0.0000,
4.9585

■ 91.6854, 62.6317,
158.3476

■ 0.0000, 0.0000,
2.1646

■ 117.8381, 83.5351,
197.3135

■ 0.0000, 0.0000,
0.6538

■ 148.5438,


■ 0.0000, 0.0000,

108.6380, 242.1985


0.0000

 184.1677,
138.3247, 293.4213


 16.4280, 7.6524,
37.6570


 16.4280, 7.6524,
37.6570


 16.4283, 7.6526,
37.6572

 17.2091, 8.3482,
37.7503

 18.1765, 9.3862,
37.8996

 19.3986, 10.9027,
38.1279

 20.9059, 12.9583,
38.4453

 22.7245, 15.6049,
38.8603

■ 24.8773, 18.8880,
39.3805

■ 27.3849, 22.8486,
40.0128

■ 30.2663, 27.5243,
40.7635

■ 33.5390, 32.9500,
41.6382

Harmonies

Analogous

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



10.7637, 7.6524, 62.3416



16.4280, 7.6524, 37.6570



19.9971, 7.6524, 13.5427

Triad

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



16.4280, 7.6524, 37.6570



8.9177, 7.6524, 0.0000



1.7138, 7.6524, 20.4516

Complementary

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



16.4280, 7.6524, 37.6570



14.7656, 28.3987, 4.7033

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.



1.5639, 7.6524, 4.6659



16.4280, 7.6524, 37.6570



4.6332, 7.6524, 0.0000

Square

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



16.4280, 7.6524, 37.6570



14.5958, 7.6524, 0.0000



2.3682, 7.6524, 0.1293



2.9314, 7.6524, 47.0007

Rectangle

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



16.4280, 7.6524, 37.6570



19.9913, 7.6524, 4.6338



2.3682, 7.6524, 0.1293



1.5650, 7.6524, 13.6082

Sweetspot

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



16.4284, 7.6527, 37.6572



49.4254, 41.0324, 72.5401



7.8001, 4.2915, 37.4632



10.3586, 8.2848, 15.7053



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.4284, 7.6527, 37.6572



29.6212, 13.7887, 68.3254



19.7363, 9.7600, 19.6485



7.6779, 7.5821, 9.4772



12.4509, 5.8021, 28.4392



0.3420, 0.1613, 0.6938

Inverse Universe

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



16.4824, 8.4585, 2.5141



29.8434, 15.3225, 4.2130



14.4725, 28.1933, 7.1417



7.5962, 7.5684, 8.1910



12.4632, 6.3940, 1.9849



0.3213, 0.1628, 0.1435

Previews

White Background



This preview shows how the XYZ color 16.4280, 7.6524, 37.6570 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

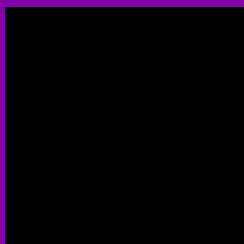
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4280, 7.6524, 37.6570

Background



This preview shows how black text looks on a background with the XYZ color 16.4280, 7.6524, 37.6570.



This preview shows how white text looks on a background with the XYZ color 16.4280, 7.6524,

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

16.4280, 7.6524, 37.6570

Deuteranopia

8.1273, 8.2001, 27.5400

Tritanopia

10.4217, 8.1333, 6.9818

Trichromacy



Original Color

16.4280, 7.6524, 37.6570

Deuteranomaly

8.2418, 5.4745, 30.7593

Tritanomaly

11.4555, 6.8341, 14.3510

Monochromacy



Original Color

16.4280, 7.6524, 37.6570

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.6125, 4.1363, 12.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4280, 7.6524, 37.6570 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(131, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 168)  
}
```

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(131, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.4280, 7.6524, 37.6570 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(131, 0, 168) }
```

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

```
.border{ border-color:rgb(131, 0, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 0, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
168) }
```


Background

The CSS property to change the background color of an element to XYZ 16.4280, 7.6524, 37.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 168) }
```

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

```
.background{ background-color: rgb(131, 0,  
168) }
```

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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