

Converting Colors

XYZ(16.6284, 7.7526, 37.8125)

Have a look what the booklet for
XYZ(16.6284, 7.7526, 37.8125)
contains.

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Color

**XYZ(16.5836, 7.7327,
37.6643)**

Conversions

Conversions Part 1

Format	Color
Hex	8400A8
RGB	132, 0, 168
RGB Percent	52%, 0%, 66%
CMY	0.4823, 1.0000, 0.3412
CMYK	0.21, 1.00, 0.00, 0.34
HSL	287°, 100%, 33%
HSV	287°, 100%, 66%
XYZ	16.5836, 7.7327, 37.6643
YIQ	58.6200, 24.7440, 80.2320

Conversions

Conversions Part 2

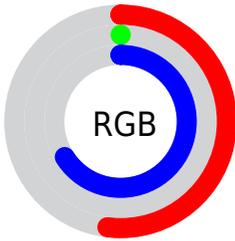
Format	Color
R_{YB}	132, 0, 168
Decimal	8650920
CIE _{Lab}	33.42, 66.38, -55.19
CIE _{LCh}	33, 86.323, 320.258
Yxy	7.7327, 0.2676, 0.1248
Android (android.graphics.Color)	4286841000 (0xFF8400A8)
YUV	58.6200, 53.9243, 64.3543
Hunter-Lab	27.8077, 57.7879, -60.8402

Details

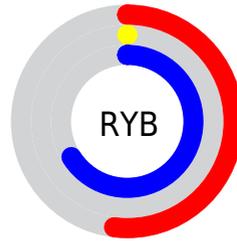
The XYZ color **16.5836, 7.7327, 37.6643** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.7305, 28.3806, 4.7018**, and the grayscale version is **4.0331, 4.2431, 4.6207**.

A 20% lighter version of the original color is **37.0253, 21.3695, 72.6943**, and **6.0750, 2.7743, 16.4350** is the 20% darker color. If you saturate the color by 10%, you get **16.5837, 7.7327, 37.6644**, and if you desaturate by 10%, it is **17.3542, 8.4231, 37.7571**.

Distribution



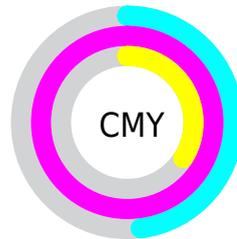
- Red (52%)
- Green (0%)
- Blue (66%)



- Red (52%)
- Yellow (0%)
- Blue (66%)



- Cyan (21%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)



- Cyan (48%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5836, 7.7327, 37.6643 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 16.5836, 7.7327, 37.6643 by changing the saturation by 10% instead.

■ 16.5836, 7.7327,
37.6643

■ 16.5836, 7.7327,
37.6643

225.9646,
173.6202, 351.4326

■ 10.0315, 3.9244,
25.4224

■ 37.1578, 21.4327,
72.7910

■ 5.4823, 1.6314,
16.1702

■ 51.9105, 32.0933,
96.5129

■ 2.5706, 0.3786,
9.4890

■ 70.1276, 45.8066,
124.8986

■ 0.9310, 0.0000,
4.9603

■ 92.1743, 62.9573,
158.3667

■ 0.0000, 0.0000,
2.1657

■ 118.4160, 83.9295,
197.3355

■ 0.0000, 0.0000,
0.6545

■ 149.2180,

■ 0.0000, 0.0000,

109.1078, 242.2238

0.0000

 184.9458,
138.8766, 293.4500

 16.5836, 7.7327,
37.6643

 16.5836, 7.7327,
37.6643

 16.5837, 7.7327,
37.6644

 17.3542, 8.4231,
37.7571

 18.3100, 9.4552,
37.9059

 19.5194, 10.9653,
38.1337

 21.0130, 13.0140,
38.4504

 22.8168, 15.6531,
38.8647

■ 24.9537, 18.9282,
39.3842

■ 27.4442, 22.8802,
40.0158

■ 30.3075, 27.5467,
40.7656

■ 33.5608, 32.9625,
41.6395

Harmonies

Analogous

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



10.8980, 7.7327, 62.4721



16.5836, 7.7327, 37.6643



20.1416, 7.7327, 13.5342

Triad

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



16.5836, 7.7327, 37.6643



8.9676, 7.7327, 0.0000



1.7502, 7.7327, 20.7518

Complementary

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



16.5836, 7.7327, 37.6643



14.7305, 28.3806, 4.7018

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.



1.5923, 7.7327, 4.7895



16.5836, 7.7327, 37.6643



4.6697, 7.7327, 0.0000

Square

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



16.5836, 7.7327, 37.6643



14.6701, 7.7327, 0.0000



2.3976, 7.7327, 0.1700



2.9894, 7.7327, 47.4055

Rectangle

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



16.5836, 7.7327, 37.6643



20.1142, 7.7327, 4.6351



2.3976, 7.7327, 0.1700



1.5974, 7.7327, 13.8485

Sweetspot

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



16.5840, 7.7330, 37.6645



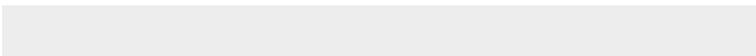
49.5333, 41.0880, 72.5452



7.7112, 4.1137, 37.4335



10.3849, 8.2983, 15.7065



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.



16.5840, 7.7330, 37.6645



29.9065, 13.9357, 68.3387



19.5632, 9.6909, 18.7370



7.6822, 7.5843, 9.4774



12.5674, 5.8622, 28.4446



0.3440, 0.1624, 0.6939

Inverse Universe

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



16.4671, 8.4524, 2.4331



29.8167, 15.3118, 4.0725



14.5282, 28.2156, 7.4342



7.5945, 7.5676, 8.1817



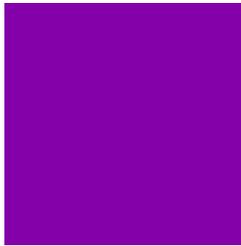
12.4512, 6.3892, 1.9217



0.3206, 0.1625, 0.1400

Previews

White Background



This preview shows how the XYZ color 16.5836, 7.7327, 37.6643 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

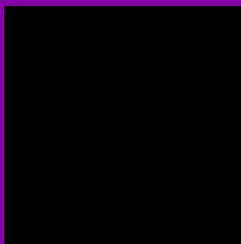
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5836, 7.7327, 37.6643

Background



This preview shows how black text looks on a background with the XYZ color 16.5836, 7.7327, 37.6643.



This preview shows how white text looks on a background with the XYZ color 16.5836, 7.7327,

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

16.5836, 7.7327, 37.6643

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.2041, 8.2308, 27.9444



Tritanopia

10.5568, 8.2029, 6.9882

Trichromacy



Original Color

16.5836, 7.7327, 37.6643

Protanomaly

9.3346, 5.6996, 37.1674

Deuteranomaly

8.2418, 5.4745, 30.7593

Tritanomaly

11.5979, 6.9075, 14.3577

Monochromacy



Original Color

16.5836, 7.7327, 37.6643

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.7830, 4.2655, 12.2702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5836, 7.7327, 37.6643 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(132, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.5836, 7.7327, 37.6643 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(132, 0, 168) }
```

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

```
.border{ border-color:rgb(132, 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(132, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(132, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5836, 7.7327, 37.6643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 168) }
```

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

```
.background{ background-color: rgb(132, 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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