

Converting Colors

XYZ(16.3848, 7.8496, 37.8446)

Have a look what the booklet for
XYZ(16.3848, 7.8496, 37.8446)
contains.

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Color

**XYZ(16.4177, 7.8608,
37.6978)**

Conversions

Conversions Part 1

Format	Color
Hex	820DA8
RGB	130, 13, 168
RGB Percent	51%, 5%, 66%
CMY	0.4902, 0.9490, 0.3412
CMYK	0.23, 0.92, 0.00, 0.34
HSL	285°, 86%, 35%
HSV	285°, 92%, 66%
XYZ	16.4177, 7.8608, 37.6978
YIQ	65.6530, 19.9770, 73.0090

Conversions

Conversions Part 2

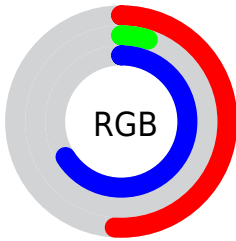
Format	Color
R_{YB}	130, 13, 168
Decimal	8523176
CIE _{Lab}	33.69, 64.27, -54.76
CIE _{LCh}	34, 84.439, 319.568
Yxy	7.8608, 0.2649, 0.1268
Android (android.graphics.Color)	4286713256 (0xFF820DA8)
YUV	65.6530, 50.4571, 56.4323
Hunter-Lab	28.0371, 55.4593, -60.0934

Details

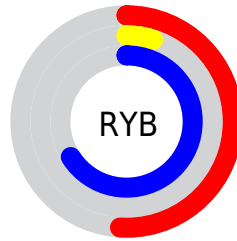
The XYZ color **16.4177, 7.8608, 37.6978** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **15.4408, 28.7384, 5.1142**, and the grayscale version is **5.0478, 5.3107, 5.7834**.

A 20% lighter version of the original color is **36.8167, 21.6839, 72.7660**, and **5.9186, 2.6937, 16.4276** is the 20% darker color. If you saturate the color by 10%, you get **15.7926, 7.3249, 37.6275**, and if you desaturate by 10%, it is **17.3780, 8.8241, 37.8333**.

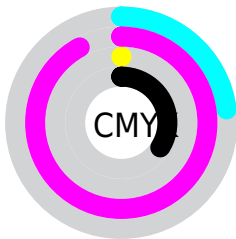
Distribution



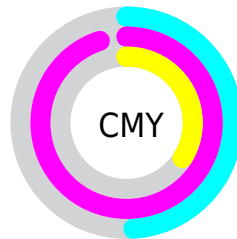
- Red (51%)
- Green (5%)
- Blue (66%)



- Red (51%)
- Yellow (5%)
- Blue (66%)



- Cyan (23%)
- Magenta (92%)
- Yellow (0%)
- Black (34%)



- Cyan (49%)
- Magenta (95%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4177, 7.8608, 37.6978 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 16.4177, 7.8608, 37.6978 by changing the saturation by 10% instead.


 16.4177, 7.8608,
37.6978


 16.4177, 7.8608,
37.6978


225.0163,
174.6361, 351.5811


 9.9129, 4.0060,
25.4482


 36.8735, 21.6851,
72.8430


 5.4031, 1.6769,
16.1893


 51.5552, 32.4234,
96.5757

 2.5228, 0.4086,
9.5024


 69.6932, 46.2250,
124.9731

 0.9068, 0.0000,
4.9690

 91.6530, 63.4743,
158.4539

 0.0000, 0.0000,
2.1707

 117.7998, 84.5556,
197.4366

 0.0000, 0.0000,
0.6574

 148.4991,

 0.0000, 0.0000,

109.8534, 242.3396

0.0000

184.1161,
139.7521, 293.5816

16.4177, 7.8608,
37.6978

16.4177, 7.8608,
37.6978

15.7926, 7.3249,
37.6275

17.3780, 8.8241,
37.8333

18.5895, 10.2524,
38.0451

20.0847, 12.2097,
38.3441

21.8905, 14.7493,
38.7391

24.0305, 17.9181,
39.2380

■ 26.5260, 21.7581,
39.8476

■ 29.3961, 26.3077,
40.5745

■ 32.6590, 31.6022,
41.4245

■ 36.3312, 37.6746,
42.4030

Harmonies

Analogous

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



10.8389, 7.8608, 61.4029



16.4177, 7.8608, 37.6978



19.9666, 7.8608, 14.0078

Triad

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



16.4177, 7.8608, 37.6978



9.1884, 7.8608, 0.0000



1.8552, 7.8608, 20.1405

Complementary

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



16.4177, 7.8608, 37.6978



15.4408, 28.7384, 5.1142

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.



1.7150, 7.8608, 4.7458



16.4177, 7.8608, 37.6978



4.8855, 7.8608, 0.0000

Square

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



16.4177, 7.8608, 37.6978



14.7924, 7.8608, 0.0000



2.5619, 7.8608, 0.2325



3.0810, 7.8608, 45.8864

Rectangle

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



16.4177, 7.8608, 37.6978



20.0112, 7.8608, 5.0042



2.5619, 7.8608, 0.2325



1.7064, 7.8608, 13.4921

Sweetspot

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



16.4181, 7.8611, 37.6980



50.0042, 42.4207, 72.7776



8.4510, 5.3468, 37.6326



10.4489, 8.5393, 15.7497



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.



16.4181, 7.8611, 37.6980



28.4546, 13.1873, 68.2708



20.2717, 10.2045, 21.7578



7.6596, 7.5726, 9.4763



11.9739, 5.5562, 28.4168



0.3334, 0.1569, 0.6934

Inverse Universe

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



16.8901, 8.8519, 3.9507



29.9641, 15.3708, 4.8485



14.7830, 28.3367, 7.9102



7.6037, 7.5714, 8.2305



12.5171, 6.4155, 2.2685



0.3241, 0.1639, 0.1582

Previews

White Background



This preview shows how the XYZ color 16.4177, 7.8608, 37.6978 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

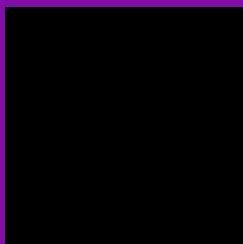
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4177, 7.8608, 37.6978

Background



This preview shows how black text looks on a background with the XYZ color 16.4177, 7.8608, 37.6978.



This preview shows how white text looks on a background with the XYZ color 16.4177, 7.8608,

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

16.4177, 7.8608, 37.6978

Protanopia

9.5159, 8.1654, 36.6718

Deuteranopia

8.1273, 8.2001, 27.5400



Tritanopia

10.2880, 8.0644, 6.9756

Trichromacy



Original Color

16.4177, 7.8608, 37.6978



Protanomaly

9.3744, 5.9958, 36.7396



Deuteranomaly

8.4351, 5.9304, 30.8371



Tritanomaly

11.5032, 7.1386, 14.4073

Monochromacy



Original Color

16.4177, 7.8608, 37.6978



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

7.5845, 5.1361, 13.4236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4177, 7.8608, 37.6978 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(130, 13, 168)` looks like.

```
.text, #text, p{  
    color:rgb(130, 13, 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(130, 13, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 13, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.4177, 7.8608, 37.6978 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(130, 13, 168) }
```


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

```
.border{ border-color:rgb(130, 13, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 13, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 13, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 13, 168);  
box-shadow:4px 4px 4px 4px rgb(130, 13,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4177, 7.8608, 37.6978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 13, 168) }
```

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

```
.background{ background-color: rgb(130, 13,  
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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