

Converting Colors

XYZ(18.3112, 15.6570, 28.4457)

Have a look what the booklet for
XYZ(18.3112, 15.6570, 28.4457)
contains.

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Color

**XYZ(18.3436, 15.6400,
28.4376)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6490
RGB	127, 100, 144
RGB Percent	50%, 39%, 56%
CMY	0.5020, 0.6078, 0.4353
CMYK	0.12, 0.31, 0.00, 0.44
HSL	277°, 18%, 48%
HSV	277°, 31%, 56%
XYZ	18.3436, 15.6400, 28.4376
YIQ	113.0890, 1.9680, 19.4080

Conversions

Conversions Part 2

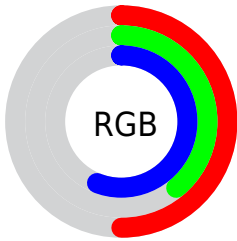
Format	Color
R_{YB}	127, 100, 144
Decimal	8348816
CIE _{Lab}	46.50, 19.56, -20.09
CIE _{LCh}	46, 28.034, 314.235
Yxy	15.6400, 0.2939, 0.2506
Android (android.graphics.Color)	4286538896 (0xFF7F6490)
YUV	113.0890, 15.2391, 12.1999
Hunter-Lab	39.5474, 13.5870, -14.9508

Details

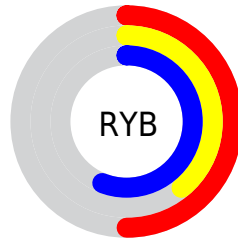
The XYZ color **18.3436, 15.6400, 28.4376** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.6102, 24.6490, 15.7815**, and the grayscale version is **15.6787, 16.4952, 17.9632**.

A 20% lighter version of the original color is **40.0820, 35.9137, 58.2456**, and **6.3095, 4.9143, 10.9719** is the 20% darker color. If you saturate the color by 10%, you get **16.2768, 12.7026, 27.9798**, and if you desaturate by 10%, it is **20.7013, 19.0906, 28.9796**.

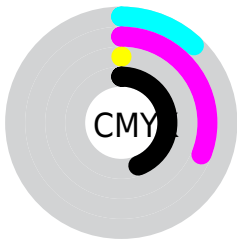
Distribution



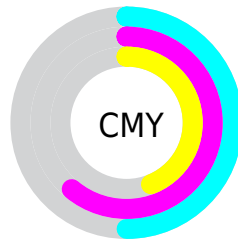
- Red (50%)
- Green (39%)
- Blue (56%)



- Red (50%)
- Yellow (39%)
- Blue (56%)



- Cyan (12%)
- Magenta (31%)
- Yellow (0%)
- Black (44%)



- Cyan (50%)
- Magenta (61%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3436, 15.6400, 28.4376 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 18.3436, 15.6400, 28.4376 by changing the saturation by 10% instead.

■ 18.3436, 15.6400,
28.4376

■ 18.3436, 15.6400,
28.4376

235.8090,
227.2080, 308.5295

■ 11.2981, 9.2698,
18.4139

■ 40.1475, 35.9721,
58.2138

■ 6.3365, 4.9176,
11.0750

■ 55.6366, 50.7027,
78.8034

■ 3.0934, 2.1990,
6.0025

■ 74.6709, 68.9890,
103.7520

■ 1.2033, 0.7194,
2.7778

■ 97.6159, 91.2152,
133.4782

■ 0.1090, 0.0000,
0.9823

124.8368,
117.7658, 168.4005

■ 0.0000, 0.0000,
0.0000

156.6991,

149.0252, 208.9375

193.5680,
185.3778, 255.5076

■ 18.3436, 15.6400,
28.4376

■ 18.3436, 15.6400,
28.4376

■ 16.2768, 12.7026,
27.9798

■ 20.7013, 19.0906,
28.9796

■ 14.4859, 10.2503,
27.6008

■ 23.3610, 23.0766,
29.6088

■ 12.9565, 8.2553,
27.2964

■ 26.3350, 27.6213,
30.3293

■ 11.6723, 6.6862,
27.0612

■ 29.6346, 32.7459,
31.1445

■ 10.6149, 5.5072,
26.8894

■ 33.2703, 38.4707,
32.0579

■ 9.7629, 4.6767,
26.7740

■ 37.2522, 44.8149,
33.0726

■ 9.0930, 4.1061,
26.6991

■ 41.5899, 51.7967,
34.1916

■ 46.2926, 59.4337,
35.4178

■ 51.3694, 67.7428,
36.7541

Harmonies

Analogous

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



16.0360, 15.6400, 33.4343



18.3436, 15.6400, 28.4376



19.7939, 15.6400, 20.9016

Triad

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



18.3436, 15.6400, 28.4376



16.1622, 15.6400, 7.1734



10.8054, 15.6400, 20.5112

Complementary

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



18.3436, 15.6400, 28.4376



19.6102, 24.6490, 15.7815

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.



10.8314, 15.6400, 13.6675



18.3436, 15.6400, 28.4376



13.7531, 15.6400, 7.1219

Square

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



18.3436, 15.6400, 28.4376



18.4446, 15.6400, 9.3383



11.8572, 15.6400, 9.1712



11.7820, 15.6400, 28.0859

Rectangle

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



18.3436, 15.6400, 28.4376



19.9905, 15.6400, 16.0665



11.8572, 15.6400, 9.1712



10.7008, 15.6400, 18.0299

Sweetspot

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



18.3441, 15.6407, 28.4379



41.8880, 41.7398, 52.3869



16.7216, 17.5865, 28.8990



9.4538, 9.3414, 11.9770



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.3441, 15.6407, 28.4379



29.6773, 23.7643, 49.5608



20.7634, 16.9260, 26.8296



5.4272, 5.4084, 6.7866



7.9450, 3.5894, 23.2512



0.1007, 0.0471, 0.2235

Inverse Universe

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



19.2702, 16.3287, 18.9665



31.7048, 25.2547, 29.5436



17.7484, 23.6639, 16.8364



5.4897, 5.4564, 6.0770



10.6406, 5.4133, 3.7587



0.1120, 0.0558, 0.0898

Previews

White Background



This preview shows how the XYZ color 18.3436, 15.6400, 28.4376 looks on a white background.

Color Contrast Check

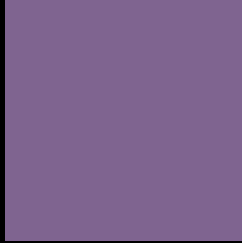
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.3436, 15.6400, 28.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

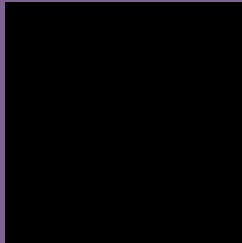
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3436, 15.6400, 28.4376

Background



This preview shows how black text looks on a background with the XYZ color 18.3436, 15.6400, 28.4376.



This preview shows how white text looks on a background with the XYZ color 18.3436, 15.6400,

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

18.3436, 15.6400, 28.4376

Protanopia

16.0916, 15.7683, 31.4736

Deuteranopia

15.9540, 15.6212, 27.7655



Tritanopia

16.2173, 15.6605, 18.0876

Trichromacy



Original Color

18.3436, 15.6400, 28.4376

Protanomaly

16.8060, 15.6974, 30.1611

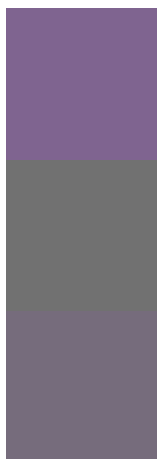
Deuteranomaly

16.6916, 15.5311, 28.1047

Tritanomaly

16.9642, 15.6664, 21.5318

Monochromacy



Original Color

18.3436, 15.6400, 28.4376

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.4719, 16.0319, 21.2951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3436, 15.6400, 28.4376 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(127, 100, 144)` looks like.

```
.text, #text, p{  
    color:rgb(127, 100, 144)  
}
```

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(127, 100, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 100, 144) }
```

Border

The CSS property to change the border of an element to XYZ 18.3436, 15.6400, 28.4376 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(127, 100, 144) }
```


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

```
.border{ border-color:rgb(127, 100, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 100, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 100, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 100, 144);  
box-shadow:4px 4px 4px 4px rgb(127, 100,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3436, 15.6400, 28.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 100, 144) }
```

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

```
.background{ background-color: rgb(127,  
100, 144) }
```

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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