

Converting Colors

XYZ(19.6235, 17.0154, 37.5832)

Have a look what the booklet for
XYZ(19.6235, 17.0154, 37.5832)
contains.

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Color

**XYZ(19.6006, 16.9815,
37.3666)**

Conversions

Conversions Part 1

Format	Color
Hex	786AA4
RGB	120, 106, 164
RGB Percent	47%, 42%, 64%
CMY	0.5294, 0.5843, 0.3569
CMYK	0.27, 0.35, 0.00, 0.36
HSL	254°, 24%, 53%
HSV	254°, 35%, 64%
XYZ	19.6006, 16.9815, 37.3666
YIQ	116.7980, -10.2740, 21.0060

Conversions

Conversions Part 2

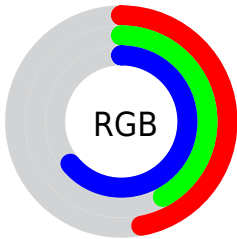
Format	Color
R_{YB}	120, 106, 164
Decimal	7891620
CIE _{Lab}	48.24, 18.52, -29.27
CIE _{LCh}	48, 34.638, 302.321
Yxy	16.9815, 0.2651, 0.2296
Android (android.graphics.Color)	4286081700 (0xFF786AA4)
YUV	116.7980, 23.2706, 2.8082
Hunter-Lab	41.2086, 12.7872, -24.9162

Details

The XYZ color **19.6006, 16.9815, 37.3666** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.4551, 34.0759, 18.7139**, and the grayscale version is **16.7792, 17.6530, 19.2241**.

A 20% lighter version of the original color is **42.0767, 38.1127, 72.1566**, and **7.0144, 5.5999, 16.0404** is the 20% darker color. If you saturate the color by 10%, you get **16.4546, 13.0865, 36.7809**, and if you desaturate by 10%, it is **23.2952, 21.6399, 38.0713**.

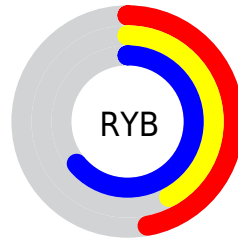
Distribution



Red (47%)

Green (42%)

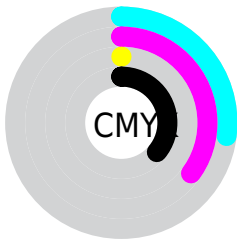
Blue (64%)



Red (47%)

Yellow (42%)

Blue (64%)

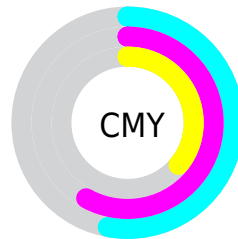


Cyan (27%)

Magenta (35%)

Yellow (0%)

Black (36%)



Cyan (53%)

Magenta (58%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6006, 16.9815, 37.3666 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 19.6006, 16.9815, 37.3666 by changing the saturation by 10% instead.

■ 19.6006, 16.9815,
37.3666

■ 19.6006, 16.9815,
37.3666

242.6196,
235.0657, 350.1114

■ 12.2116, 10.2213,
25.1935

■ 42.2556, 38.2940,
72.3289

■ 6.9612, 5.5459,
16.0009

■ 58.2524, 53.6150,
95.9551

■ 3.4840, 2.5710,
9.3704

■ 77.8491, 72.5585,
124.2361

■ 1.4146, 0.9121,
4.8835

■ 101.4111, 95.5088,
157.5903

■ 0.2666, 0.0000,
2.1215

129.3038,
122.8502, 196.4365

■ 0.0000, 0.0000,
0.6285

161.8926,

■ 0.0000, 0.0000,

154.9673, 241.1930

0.0000

199.5427,
192.2443, 292.2784

■ 19.6006, 16.9815,
37.3666

■ 19.6006, 16.9815,
37.3666

■ 16.4546, 13.0865,
36.7809

■ 23.2952, 21.6399,
38.0713

■ 13.8285, 9.9114,
36.3064

■ 27.5617, 27.0978,
38.8999

■ 11.6932, 7.4115,
35.9365

■ 32.4244, 33.3916,
39.8585

■ 10.0162, 5.5361,
35.6629

■ 37.9053, 40.5546,
40.9522

■ 8.7606, 4.2271,
35.4764

■ 44.0256, 48.6186,
42.1861

■ 7.8812, 3.4113,
35.3653

■ 50.8051, 57.6135,
43.5650

■ 7.5600, 3.1232,
35.3266

■ 58.2632, 67.5679,
45.0933

■ 66.4181, 78.5093,
46.7754

■ 75.2874, 90.4639,
48.6154

Harmonies

Analogous

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



16.3870, 16.9815, 41.8052



19.6006, 16.9815, 37.3666



22.1210, 16.9815, 27.7761

Triad

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



19.6006, 16.9815, 37.3666



19.1209, 16.9815, 6.9891



10.8129, 16.9815, 19.2015

Complementary

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



19.6006, 16.9815, 37.3666



28.4551, 34.0759, 18.7139

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.



11.3484, 16.9815, 11.5454



19.6006, 16.9815, 37.3666



15.8963, 16.9815, 6.0084

Square

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



19.6006, 16.9815, 37.3666



21.8197, 16.9815, 10.6790



13.1135, 16.9815, 7.3628



11.5435, 16.9815, 29.4029

Rectangle

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



19.6006, 16.9815, 37.3666



22.9187, 16.9815, 20.9064



13.1135, 16.9815, 7.3628



10.8507, 16.9815, 16.2673

Sweetspot

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



19.6012, 16.9822, 37.3670



53.5648, 53.7486, 71.3037



23.6262, 27.7069, 39.2249



11.4697, 11.4395, 15.5410



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.6012, 16.9822, 37.3670



31.2458, 25.4463, 67.0171



24.1648, 19.3348, 37.5806



6.8532, 6.9387, 8.8812



5.8339, 2.4140, 27.0882



0.1619, 0.0710, 0.5710

Inverse Universe

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



25.9694, 20.4032, 31.4241



44.5955, 32.6281, 54.0986



23.8282, 31.6907, 18.4974



7.2909, 7.1728, 8.5182



14.5678, 7.1832, 15.4465



0.3228, 0.1576, 0.4127

Previews

White Background



This preview shows how the XYZ color 19.6006, 16.9815, 37.3666 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 19.6006, 16.9815, 37.3666 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 19.6006, 16.9815, 37.3666

Background



This preview shows how black text looks on a background with the XYZ color 19.6006, 16.9815, 37.3666.



This preview shows how white text looks on a background with the XYZ color 19.6006, 16.9815,

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

19.6006, 16.9815, 37.3666

Protanopia

17.7859, 17.1077, 39.9008

Deuteranopia

17.3565, 16.9603, 36.5413



Tritanopia

16.2746, 16.9094, 21.1450

Trichromacy



Original Color

19.6006, 16.9815, 37.3666

Protanomaly

18.2599, 16.8849, 38.8559

Deuteranomaly

18.0125, 16.7995, 36.9436

Tritanomaly

17.3421, 16.8487, 26.3829

Monochromacy



Original Color

19.6006, 16.9815, 37.3666

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.6794, 17.3830, 24.9777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6006, 16.9815, 37.3666 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(120, 106, 164)` looks like.

```
.text, #text, p{  
    color:rgb(120, 106, 164)  
}
```

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(120, 106, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 106, 164) }
```

Border

The CSS property to change the border of an element to XYZ 19.6006, 16.9815, 37.3666 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(120, 106, 164) }
```


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

```
.border{ border-color:rgb(120, 106, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 106, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 106, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 106, 164);  
box-shadow:4px 4px 4px 4px rgb(120, 106,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6006, 16.9815, 37.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 106, 164) }
```

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

```
.background{ background-color: rgb(120,  
106, 164) }
```

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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