

Converting Colors

XYZ(18.8941, 16.5417, 31.2138)

Have a look what the booklet for
XYZ(18.8941, 16.5417, 31.2138)
contains.

XYZ(18.8688, 16.5902, 31.0619)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.8688, 16.5902,
31.0619)**

Conversions

Conversions Part 1

Format	Color
Hex	7C6996
RGB	124, 105, 150
RGB Percent	49%, 41%, 59%
CMY	0.5137, 0.5882, 0.4118
CMYK	0.17, 0.30, 0.00, 0.41
HSL	265°, 18%, 50%
HSV	265°, 30%, 59%
XYZ	18.8688, 16.5902, 31.0619
YIQ	115.8110, -3.1210, 18.0230

Conversions

Conversions Part 2

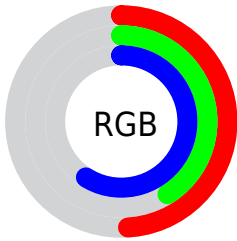
Format	Color
R_{YB}	124, 105, 150
Decimal	8153494
CIE _{Lab}	47.74, 16.94, -21.76
CIE _{LCh}	48, 27.580, 307.895
Yxy	16.5902, 0.2837, 0.2494
Android (android.graphics.Color)	4286343574 (0xFF7C6996)
YUV	115.8110, 16.8552, 7.1818
Hunter-Lab	40.7311, 11.4113, -16.7034

Details

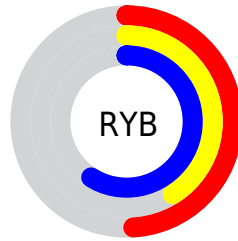
The XYZ color **18.8688, 16.5902, 31.0619** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.8166, 27.6582, 17.5012**, and the grayscale version is **16.4938, 17.3528, 18.8972**.

A 20% lighter version of the original color is **40.9190, 37.4837, 62.2051**, and **6.5892, 5.3828, 12.4961** is the 20% darker color. If you saturate the color by 10%, you get **16.2758, 13.1824, 30.5411**, and if you desaturate by 10%, it is **21.8424, 20.5951, 31.6785**.

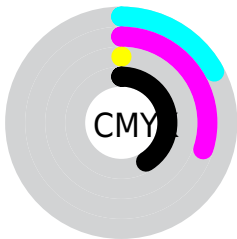
Distribution



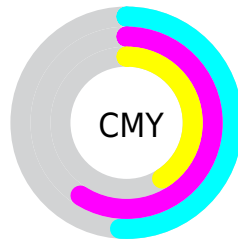
- Red (49%)
- Green (41%)
- Blue (59%)



- Red (49%)
- Yellow (41%)
- Blue (59%)



- Cyan (17%)
- Magenta (30%)
- Yellow (0%)
- Black (41%)



- Cyan (51%)
- Magenta (59%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8688, 16.5902, 31.0619 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 18.8688, 16.5902, 31.0619 by changing the saturation by 10% instead.

■ 18.8688, 16.5902,
31.0619

■ 18.8688, 16.5902,
31.0619

238.6755,
232.7996, 321.1834

■ 11.6790, 9.9427,
20.3871

■ 41.0309, 37.6198,
62.4182

■ 6.5961, 5.3610,
12.4899

■ 56.7338, 52.7708,
83.9369

■ 3.2549, 2.4606,
6.9517

■ 76.0052, 71.5251,
109.9072

■ 1.2899, 0.8568,
3.3539

■ 99.2103, 94.2670,
140.7478

■ 0.1757, 0.0000,
1.2781

126.7145,
121.3811, 176.8772

■ 0.0000, 0.0000,
0.0437

158.8832,

■ 0.0000, 0.0000,

153.2516, 218.7139

0.0000

196.0818,
190.2630, 266.6764

■ 18.8688, 16.5902,
31.0619

■ 18.8688, 16.5902,
31.0619

■ 16.2758, 13.1824,
30.5411

■ 21.8424, 20.5951,
31.6785

■ 14.0450, 10.3398,
30.1100

■ 25.2110, 25.2228,
32.3942

■ 12.1583, 8.0308,
29.7637

■ 28.9898, 30.4997,
33.2135

■ 10.5956, 6.2194,
29.4965

■ 33.1930, 36.4503,
34.1406

■ 9.3344, 4.8654,
29.3016

■ 37.8341, 43.0976,
35.1790

■ 8.3486, 3.9215,
29.1713

■ 42.9256, 50.4637,
36.3325

■ 7.5765, 3.2699,
29.0863

■ 48.4799, 58.5696,
37.6043

■ 7.5764, 3.2698,
29.0863

■ 54.5088, 67.4355,
38.9979

■ 61.0235, 77.0806,
40.5162

Harmonies

Analogous

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



16.4298, 16.5902, 35.1612



18.8688, 16.5902, 31.0619



20.5901, 16.5902, 23.6801

Triad

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



18.8688, 16.5902, 31.0619



17.6238, 16.5902, 8.1662



11.5170, 16.5902, 19.9972

Complementary

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



18.8688, 16.5902, 31.0619



22.8166, 27.6582, 17.5012

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.



11.7653, 16.5902, 13.4143



18.8688, 16.5902, 31.0619



15.1251, 16.5902, 7.6640

Square

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



18.8688, 16.5902, 31.0619



19.8206, 16.5902, 10.9320



13.0279, 16.5902, 9.3168



12.3101, 16.5902, 27.7711

Rectangle

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



18.8688, 16.5902, 31.0619



21.0060, 16.5902, 18.5680



13.0279, 16.5902, 9.3168



11.4831, 16.5902, 17.5690

Sweetspot

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



18.8693, 16.5909, 31.0623



45.0115, 45.2334, 57.2798



19.4811, 21.5056, 31.9787



9.7890, 9.7664, 12.6540



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.8693, 16.5909, 31.0623



30.1564, 25.1295, 54.1823



22.4556, 18.4397, 31.2301



5.7177, 5.7455, 7.2774



6.3189, 2.7301, 24.1250



0.1098, 0.0501, 0.2968

Inverse Universe

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



21.7264, 18.2264, 23.8460



36.1403, 28.5589, 38.8917



19.7326, 26.0684, 17.3569



5.9328, 5.8682, 6.7522



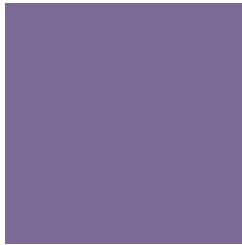
11.8634, 5.9504, 8.0275



0.1600, 0.0787, 0.1760

Previews

White Background



This preview shows how the XYZ color 18.8688, 16.5902, 31.0619 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 18.8688, 16.5902, 31.0619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

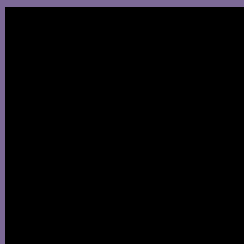
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8688, 16.5902, 31.0619

Background



This preview shows how black text looks on a background with the XYZ color 18.8688, 16.5902, 31.0619.



This preview shows how white text looks on a background with the XYZ color 18.8688, 16.5902,

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

18.8688, 16.5902, 31.0619

Protanopia

17.0774, 16.7216, 33.3379

Deuteranopia

17.0447, 16.7615, 30.7707



Tritanopia

16.6824, 16.6469, 20.1032

Trichromacy



Original Color

18.8688, 16.5902, 31.0619

Protanomaly

17.5251, 16.4884, 32.3959

Deuteranomaly

17.5755, 16.5519, 30.7023

Tritanomaly

17.4505, 16.6409, 23.7650

Monochromacy



Original Color

18.8688, 16.5902, 31.0619

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.2982, 17.0688, 22.8050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8688, 16.5902, 31.0619 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(124, 105, 150)` looks like.

```
.text, #text, p{  
    color:rgb(124, 105, 150)  
}
```

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(124, 105, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 105, 150) }
```

Border

The CSS property to change the border of an element to XYZ 18.8688, 16.5902, 31.0619 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(124, 105, 150) }
```


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

```
.border{ border-color:rgb(124, 105, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 105, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 105, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 105, 150);  
box-shadow:4px 4px 4px 4px rgb(124, 105,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8688, 16.5902, 31.0619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 105, 150) }
```

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

```
.background{ background-color: rgb(124,  
105, 150) }
```

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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