

Converting Colors

XYZ(18.9409, 16.8351, 40.0458)

Have a look what the booklet for
XYZ(18.9409, 16.8351, 40.0458)
contains.

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Color

**XYZ(19.0487, 16.9424,
40.2964)**

Conversions

Conversions Part 1

Format	Color
Hex	6E6CAA
RGB	110, 108, 170
RGB Percent	43%, 42%, 67%
CMY	0.5686, 0.5765, 0.3333
CMYK	0.35, 0.36, 0.00, 0.33
HSL	242°, 27%, 55%
HSV	242°, 36%, 67%
XYZ	19.0487, 16.9424, 40.2964
YIQ	115.6660, -18.7100, 19.7060

Conversions

Conversions Part 2

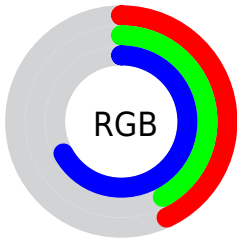
Format	Color
R _Y B	110, 108, 170
Decimal	7236778
CIE Lab	48.19, 15.93, -32.92
CIE LCh	48, 36.577, 295.824
Yxy	16.9424, 0.2497, 0.2221
Android (android.graphics.Color)	4285426858 (0xFF6E6CAA)
YUV	115.6660, 26.7867, -4.9691
Hunter-Lab	41.1611, 10.5748, -29.2316

Details

The XYZ color **19.0487, 16.9424, 40.2964** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.2300, 38.1572, 19.8016**, and the grayscale version is **16.4237, 17.2790, 18.8169**.

A 20% lighter version of the original color is **41.2299, 38.0738, 77.1274**, and **6.6833, 5.5516, 17.5490** is the 20% darker color. If you saturate the color by 10%, you get **15.5673, 12.7409, 39.6692**, and if you desaturate by 10%, it is **23.2610, 22.0403, 41.0587**.

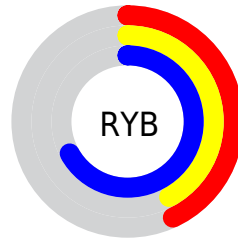
Distribution



Red (43%)

Green (42%)

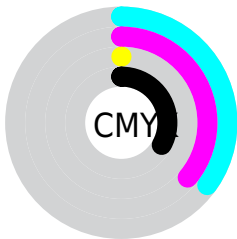
Blue (67%)



Red (43%)

Yellow (42%)

Blue (67%)

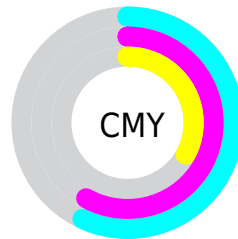


Cyan (35%)

Magenta (36%)

Yellow (0%)

Black (33%)



Cyan (57%)

Magenta (58%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0487, 16.9424, 40.2964 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 19.0487, 16.9424, 40.2964 by changing the saturation by 10% instead.

■ 19.0487, 16.9424,
40.2964

■ 19.0487, 16.9424,
40.2964

239.6504,
234.8402, 362.9604

■ 11.8097, 10.1934,
27.4542

■ 41.3326, 38.2267,
76.8567

■ 6.6855, 5.5274,
17.6792

■ 57.1082, 53.5309,
101.4118

■ 3.3108, 2.5599,
10.5528

■ 76.4601, 72.4555,
130.7083

■ 1.3202, 0.9066,
5.6567

■ 99.7535, 95.3851,
165.1647

■ 0.1982, 0.0000,
2.5721

127.3539,
122.7039, 205.1996

■ 0.0000, 0.0000,
0.8780

159.6266,

■ 0.0000, 0.0000,

154.7965, 251.2315

0.0000

196.9370,
192.0471, 303.6789

■ 19.0487, 16.9424,
40.2964

■ 19.0487, 16.9424,
40.2964

■ 15.5673, 12.7409,
39.6692

■ 23.2610, 22.0403,
41.0587

■ 12.7733, 9.3821,
39.1682

■ 28.2405, 28.0802,
41.9621

■ 10.6219, 6.8097,
38.7850

■ 34.0233, 35.1068,
43.0135

■ 9.0618, 4.9599,
38.5102

■ 40.6427, 43.1616,
44.2194

■ 8.0342, 3.7585,
38.3325

■ 48.1303, 52.2837,
45.5855

■ 7.4628, 3.1058,
38.2366

■ 56.5158, 62.5099,
47.1174

■ 7.3244, 2.9377,
38.2115

■ 65.8275, 73.8755,
48.8204

■ 76.0927, 86.4141,
50.6996

■ 84.2557, 95.6823,
52.0583

Harmonies

Analogous

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



15.6426, 16.9424, 43.3646



19.0487, 16.9424, 40.2964



21.9862, 16.9424, 30.7481

Triad

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



19.0487, 16.9424, 40.2964



19.9640, 16.9424, 7.0754



10.5363, 16.9424, 17.1472

Complementary

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



19.0487, 16.9424, 40.2964



33.2300, 38.1572, 19.8016

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.



11.3762, 16.9424, 9.9620



19.0487, 16.9424, 40.2964



16.5728, 16.9424, 5.5573

Square

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



19.0487, 16.9424, 40.2964



22.5636, 16.9424, 11.5716



13.4782, 16.9424, 6.3952



11.0112, 16.9424, 27.6175

Rectangle

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



19.0487, 16.9424, 40.2964



23.1232, 16.9424, 23.2994



13.4782, 16.9424, 6.3952



10.6707, 16.9424, 14.3206

Sweetspot

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



19.0493, 16.9430, 40.2968



56.5830, 57.4391, 77.1065



27.6222, 34.4543, 43.2250



12.3136, 12.4390, 17.1397



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.0493, 16.9430, 40.2968



29.2121, 24.2822, 72.1492



23.4396, 19.2063, 40.5023



7.1534, 7.3117, 9.4526



5.3971, 2.1658, 28.1091



0.1381, 0.0562, 0.6842

Inverse Universe

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



29.0083, 22.0988, 39.7821



50.0622, 35.0791, 70.9429



27.5576, 35.2329, 19.5361



7.8313, 7.6624, 9.4288



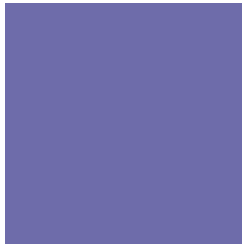
17.1622, 8.2736, 26.7292



0.4207, 0.2025, 0.6667

Previews

White Background



This preview shows how the XYZ color 19.0487, 16.9424, 40.2964 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 19.0487, 16.9424, 40.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

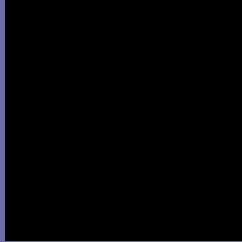
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.0487, 16.9424, 40.2964

Background



This preview shows how black text looks on a background with the XYZ color 19.0487, 16.9424, 40.2964.

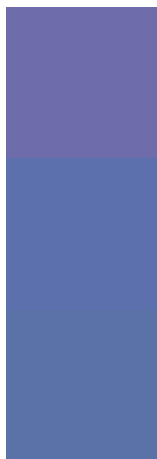


This preview shows how white text looks on a background with the XYZ color 19.0487, 16.9424,

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

19.0487, 16.9424, 40.2964

Protanopia

17.9484, 16.9715, 42.3742

Deuteranopia

17.4931, 17.1233, 39.9193



Tritanopia

15.3827, 16.9383, 22.1973

Trichromacy



Original Color

19.0487, 16.9424, 40.2964

Protanomaly

18.3729, 17.0387, 41.8556

Deuteranomaly

17.9926, 17.0496, 39.8787

Tritanomaly

16.6087, 16.9307, 27.9838

Monochromacy



Original Color

19.0487, 16.9424, 40.2964

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.2885, 17.1652, 25.6946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0487, 16.9424, 40.2964 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(110, 108, 170)` looks like.

```
.text, #text, p{  
    color:rgb(110, 108, 170)  
}
```

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(110, 108, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 108, 170) }
```

Border

The CSS property to change the border of an element to XYZ 19.0487, 16.9424, 40.2964 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(110, 108, 170) }
```


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

```
.border{ border-color:rgb(110, 108, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 108, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 108, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 108, 170);  
box-shadow:4px 4px 4px 4px rgb(110, 108,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0487, 16.9424, 40.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 108, 170) }
```

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

```
.background{ background-color: rgb(110,  
108, 170) }
```

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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