

Converting Colors

XYZ(19.1112, 16.9964, 39.3050)

Have a look what the booklet for
XYZ(19.1112, 16.9964, 39.3050)
contains.

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Color

**XYZ(19.1125, 16.9970,
39.3192)**

Conversions

Conversions Part 1

Format	Color
Hex	706CA8
RGB	112, 108, 168
RGB Percent	44%, 42%, 66%
CMY	0.5608, 0.5765, 0.3412
CMYK	0.33, 0.36, 0.00, 0.34
HSL	244°, 26%, 54%
HSV	244°, 36%, 66%
XYZ	19.1125, 16.9970, 39.3192
YIQ	116.0360, -16.8760, 19.5080

Conversions

Conversions Part 2

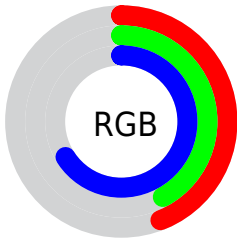
Format	Color
R _Y B	112, 108, 168
Decimal	7367848
CIE Lab	48.26, 15.96, -31.64
CIE LCh	48, 35.435, 296.775
Yxy	16.9970, 0.2534, 0.2253
Android (android.graphics.Color)	4285557928 (0xFF706CA8)
YUV	116.0360, 25.6183, -3.5396
Hunter-Lab	41.2274, 10.6023, -27.6866

Details

The XYZ color **19.1125, 16.9970, 39.3192** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.0196, 36.9808, 19.6384**, and the grayscale version is **16.5396, 17.4010, 18.9497**.

A 20% lighter version of the original color is **41.2345, 38.1233, 74.9973**, and **6.7456, 5.5905, 17.2465** is the 20% darker color. If you saturate the color by 10%, you get **15.6842, 12.8483, 38.6994**, and if you desaturate by 10%, it is **23.2309, 22.0090, 40.0699**.

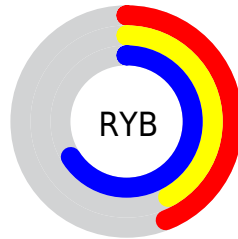
Distribution



Red (44%)

Green (42%)

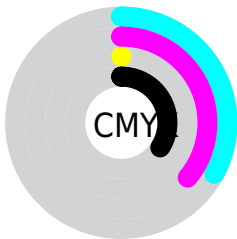
Blue (66%)



Red (44%)

Yellow (42%)

Blue (66%)

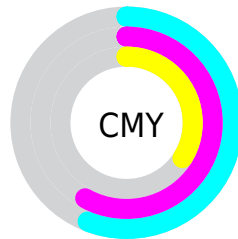


Cyan (33%)

Magenta (36%)

Yellow (0%)

Black (34%)



Cyan (56%)

Magenta (58%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1125, 16.9970, 39.3192 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 19.1125, 16.9970, 39.3192 by changing the saturation by 10% instead.

■ 19.1125, 16.9970,
39.3192

■ 19.1125, 16.9970,
39.3192

239.9953,
235.1551, 358.7121

■ 11.8561, 10.2324,
26.6984

■ 41.4395, 38.3206,
75.3514

■ 6.7173, 5.5533,
17.1164

■ 57.2408, 53.6484,
99.5999

■ 3.3307, 2.5754,
10.1547

■ 76.6211, 72.5993,
128.5613

■ 1.3309, 0.9143,
5.3947

■ 99.9458, 95.5578,
162.6543

■ 0.2062, 0.0000,
2.4179

127.5802,
122.9082, 202.2973

■ 0.0000, 0.0000,
0.7962

159.8897,

■ 0.0000, 0.0000,

155.0350, 247.9089

0.0000

197.2396,
192.3225, 299.9077

■ 19.1125, 16.9970,
39.3192

■ 19.1125, 16.9970,
39.3192

■ 15.6842, 12.8483,
38.6994

■ 23.2309, 22.0090,
40.0699

■ 12.9064, 9.5122,
38.2019

■ 28.0724, 27.9271,
40.9570

■ 10.7385, 6.9358,
37.8189

■ 33.6700, 34.7936,
41.9873

■ 9.1343, 5.0594,
37.5412

■ 40.0543, 42.6478,
43.1669

■ 8.0413, 3.8139,
37.3584

■ 47.2540, 51.5266,
44.5012

■ 7.3941, 3.1114,
37.2569

■ 55.2964, 61.4649,
45.9956

■ 7.2086, 2.8997,
37.2259

■ 64.2078, 72.4961,
47.6551

■ 74.0130, 84.6522,
49.4847

■ 83.3805, 95.2528,
51.0371

Harmonies

Analogous

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



15.8088, 16.9970, 42.5015



19.1125, 16.9970, 39.3192



21.9170, 16.9970, 30.0420

Triad

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



19.1125, 16.9970, 39.3192



19.7964, 16.9970, 7.2719



10.7215, 16.9970, 17.5256

Complementary

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



19.1125, 16.9970, 39.3192



32.0196, 36.9808, 19.6384

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.



11.5035, 16.9970, 10.3822



19.1125, 16.9970, 39.3192



16.5065, 16.9970, 5.8361

Square

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



19.1125, 16.9970, 39.3192



22.3473, 16.9970, 11.6044



13.5198, 16.9970, 6.7490



11.2276, 16.9970, 27.7146

Rectangle

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



19.1125, 16.9970, 39.3192



22.9743, 16.9970, 22.8741



13.5198, 16.9970, 6.7490



10.8395, 16.9970, 14.7342

Sweetspot

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



19.1131, 16.9976, 39.3196



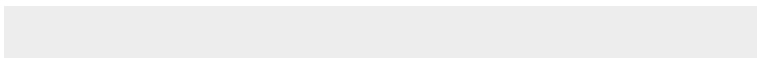
55.3503, 56.0812, 75.1326



26.5281, 32.5666, 41.9339



11.7837, 11.8796, 16.3241



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.



19.1131, 16.9976, 39.3196



29.5642, 24.6461, 70.4241



23.5863, 19.3037, 39.5289



7.1764, 7.3235, 9.4537



5.4608, 2.1986, 28.1120



0.1469, 0.0607, 0.6846

Inverse Universe

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



28.2123, 21.7308, 37.8297



48.6494, 34.5789, 67.0698



26.5414, 34.1567, 19.3820



7.8200, 7.6579, 9.3693



16.7850, 8.1227, 24.7430



0.4146, 0.2001, 0.6347

Previews

White Background



This preview shows how the XYZ color 19.1125, 16.9970, 39.3192 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 19.1125, 16.9970, 39.3192 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 19.1125, 16.9970, 39.3192

Background



This preview shows how black text looks on a background with the XYZ color 19.1125, 16.9970, 39.3192.

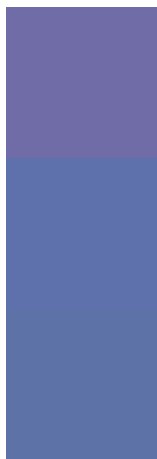


This preview shows how white text looks on a background with the XYZ color 19.1125, 16.9970,

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

19.1125, 16.9970, 39.3192

Protanopia

17.9676, 17.1685, 41.3966

Deuteranopia

17.5066, 17.1518, 38.9472



Tritanopia

15.7207, 17.1125, 22.2131

Trichromacy



Original Color

19.1125, 16.9970, 39.3192

Protanomaly

18.4020, 17.0759, 40.8542

Deuteranomaly

18.0248, 17.0877, 38.9075

Tritanomaly

16.7689, 17.0219, 27.6010

Monochromacy



Original Color

19.1125, 16.9970, 39.3192

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.3485, 17.2044, 25.3281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1125, 16.9970, 39.3192 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(112, 108, 168)` looks like.

```
.text, #text, p{  
    color:rgb(112, 108, 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(112, 108, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 108, 168) }
```

Border

The CSS property to change the border of an element to XYZ 19.1125, 16.9970, 39.3192 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(112, 108, 168) }
```


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

```
.border{ border-color:rgb(112, 108, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 108, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 108, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 108, 168);  
box-shadow:4px 4px 4px 4px rgb(112, 108,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1125, 16.9970, 39.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 108, 168) }
```

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

```
.background{ background-color: rgb(112,  
108, 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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