

Converting Colors

XYZ(18.9320, 16.4761, 39.3501)

Have a look what the booklet for
XYZ(18.9320, 16.4761, 39.3501)
contains.

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Color

**XYZ(18.9295, 16.4410,
39.2215)**

Conversions

Conversions Part 1

Format	Color
Hex	7169A8
RGB	113, 105, 168
RGB Percent	44%, 41%, 66%
CMY	0.5569, 0.5882, 0.3412
CMYK	0.33, 0.37, 0.00, 0.34
HSL	248°, 27%, 54%
HSV	248°, 37%, 66%
XYZ	18.9295, 16.4410, 39.2215
YIQ	114.5740, -15.4550, 21.2890

Conversions

Conversions Part 2

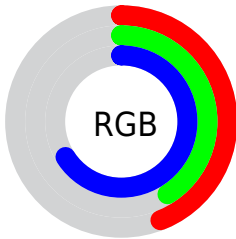
Format	Color
RYB	113, 105, 168
Decimal	7432616
CIELab	47.55, 18.08, -32.74
CIELCh	48, 37.399, 298.907
Yxy	16.4410, 0.2538, 0.2204
Android (android.graphics.Color)	4285622696 (0xFF7169A8)
YUV	114.5740, 26.3390, -1.3804
Hunter-Lab	40.5475, 12.3741, -28.9678

Details

The XYZ color **18.9295, 16.4410, 39.2215** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.0499, 36.4990, 18.7737**, and the grayscale version is **16.0937, 16.9319, 18.4388**.

A 20% lighter version of the original color is **40.9336, 37.2116, 74.8372**, and **6.6520, 5.3112, 17.1976** is the 20% darker color. If you saturate the color by 10%, you get **15.6476, 12.4552, 38.6254**, and if you desaturate by 10%, it is **22.8556, 21.2613, 39.9453**.

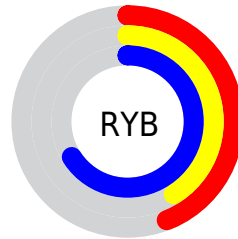
Distribution



Red (44%)

Green (41%)

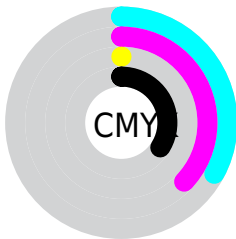
Blue (66%)



Red (44%)

Yellow (41%)

Blue (66%)

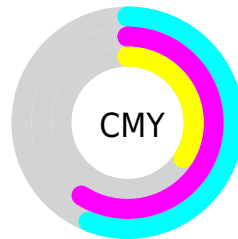


Cyan (33%)

Magenta (37%)

Yellow (0%)

Black (34%)



Cyan (56%)

Magenta (59%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9295, 16.4410, 39.2215 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 18.9295, 16.4410, 39.2215 by changing the saturation by 10% instead.

■ 18.9295, 16.4410,
39.2215

■ 18.9295, 16.4410,
39.2215

239.0049,
231.9301, 358.2853

■ 11.7231, 9.8368,
26.6229

■ 41.1327, 37.3621,
75.2006

■ 6.6262, 5.2909,
17.0603

■ 56.8602, 52.4478,
99.4183

■ 3.2737, 2.4189,
10.1151

■ 76.1588, 71.1294,
128.3460

■ 1.3001, 0.8356,
5.3687

■ 99.3937, 93.7913,
162.4024

■ 0.1833, 0.0000,
2.4027

126.9305,
120.8179, 202.0060

■ 0.0000, 0.0000,
0.7879

159.1343,

■ 0.0000, 0.0000,

152.5937, 247.5754

0.0000

196.3707,
189.5029, 299.5289

■ 18.9295, 16.4410,
39.2215

■ 18.9295, 16.4410,
39.2215

■ 15.6476, 12.4552,
38.6254

■ 22.8556, 21.2613,
39.9453

■ 12.9735, 9.2546,
38.1486

■ 27.4561, 26.9579,
40.8024

■ 10.8697, 6.7872,
37.7832

■ 32.7614, 33.5723,
41.7995

■ 9.2942, 4.9944,
37.5202

■ 38.7996, 41.1425,
42.9424

■ 8.1984, 3.8081,
37.3490

■ 45.5973, 49.7045,
44.2368

■ 7.5145, 3.1251,
37.2532

■ 53.1796, 59.2925,
45.6878

■ 7.3843, 2.9903,
37.2340

■ 61.5706, 69.9388,
47.3005

■ 70.7932, 81.6746,
49.0796

■ 80.4847, 93.7599,
50.9015

Harmonies

Analogous

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



15.5049, 16.4410, 43.1960



18.9295, 16.4410, 39.2215



21.7737, 16.4410, 29.1350

Triad

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



18.9295, 16.4410, 39.2215



19.1707, 16.4410, 6.3451



10.0609, 16.4410, 17.5542

Complementary

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



18.9295, 16.4410, 39.2215



31.0499, 36.4990, 18.7737

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.



10.7613, 16.4410, 10.0054



18.9295, 16.4410, 39.2215



15.7490, 16.4410, 5.1168

Square

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



18.9295, 16.4410, 39.2215



21.9264, 16.4410, 10.4219



12.7323, 16.4410, 6.1716



10.6664, 16.4410, 28.3053

Rectangle

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



18.9295, 16.4410, 39.2215



22.7871, 16.4410, 21.6650



12.7323, 16.4410, 6.1716



10.1495, 16.4410, 14.6011

Sweetspot

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



18.9301, 16.4416, 39.2219



55.7327, 56.2783, 75.1505



25.5778, 31.1984, 41.7199



11.8751, 11.9267, 16.3283



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.



18.9301, 16.4416, 39.2219



29.3125, 23.7102, 70.2567



23.5953, 18.8466, 39.4402



7.2171, 7.3445, 9.4556



5.6017, 2.2712, 28.1186



0.1623, 0.0687, 0.6853

Inverse Universe

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



27.5455, 20.9665, 35.8529



47.3285, 33.1816, 62.7929



25.6289, 33.7044, 18.5200



7.8003, 7.6500, 9.2656



16.1649, 7.8747, 21.4779



0.4043, 0.1960, 0.5806

Previews

White Background



This preview shows how the XYZ color 18.9295, 16.4410, 39.2215 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 18.9295, 16.4410, 39.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

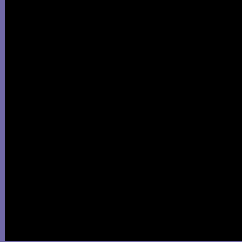
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9295, 16.4410, 39.2215

Background



This preview shows how black text looks on a background with the XYZ color 18.9295, 16.4410, 39.2215.

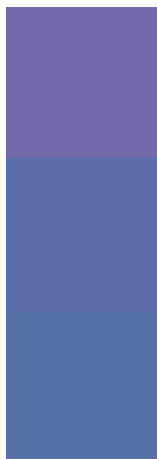


This preview shows how white text looks on a background with the XYZ color 18.9295, 16.4410,

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

18.9295, 16.4410, 39.2215

Protanopia

17.5416, 16.6102, 41.8167

Deuteranopia

16.7969, 16.4654, 38.3692



Tritanopia

15.3014, 16.4077, 21.0994

Trichromacy



Original Color

18.9295, 16.4410, 39.2215

Protanomaly

17.9649, 16.5302, 40.7719

Deuteranomaly

17.4807, 16.3240, 38.7887

Tritanomaly

16.4080, 16.3588, 26.7189

Monochromacy



Original Color

18.9295, 16.4410, 39.2215

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.9269, 16.6675, 24.8793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9295, 16.4410, 39.2215 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(113, 105, 168)` looks like.

```
.text, #text, p{  
    color:rgb(113, 105, 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(113, 105, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 105, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.9295, 16.4410, 39.2215 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(113, 105, 168) }
```


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

```
.border{ border-color:rgb(113, 105, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 105, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 105, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 105, 168);  
box-shadow:4px 4px 4px 4px rgb(113, 105,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9295, 16.4410, 39.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 105, 168) }
```

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

```
.background{ background-color: rgb(113,  
105, 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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