

Converting Colors

XYZ(22.1471, 18.4187, 31.1958)

Have a look what the booklet for
XYZ(22.1471, 18.4187, 31.1958)
contains.

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Color

**XYZ(22.1607, 18.4394,
31.2453)**

Conversions

Conversions Part 1	
Format	Color
Hex	906A96
RGB	144, 106, 150
RGB Percent	56%, 42%, 59%
CMY	0.4353, 0.5843, 0.4118
CMYK	0.04, 0.29, 0.00, 0.41
HSL	292°, 17%, 50%
HSV	292°, 29%, 59%
XYZ	22.1607, 18.4394, 31.2453
YIQ	122.3780, 8.5240, 21.7400

Conversions

Conversions Part 2

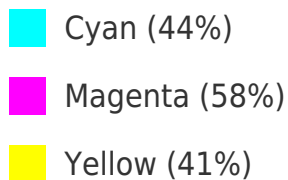
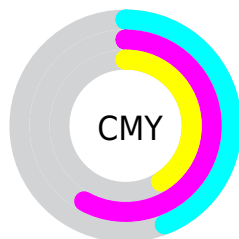
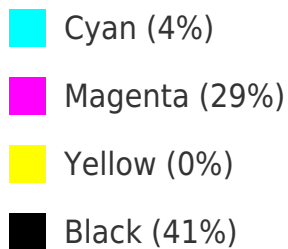
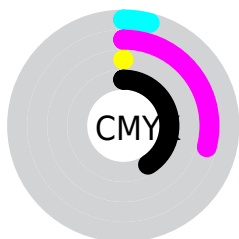
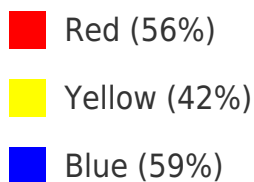
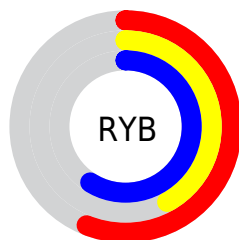
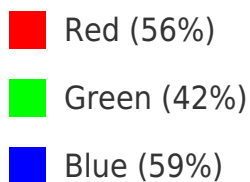
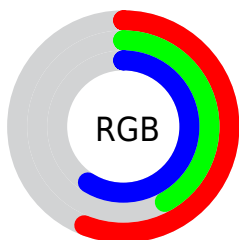
Format	Color
RYB	144, 106, 150
Decimal	9464470
CIELab	50.02, 23.15, -18.08
CIELCh	50, 29.376, 322.008
Yxy	18.4394, 0.3084, 0.2567
Android (android.graphics.Color)	4287654550 (0xFF906A96)
YUV	122.3780, 13.6176, 18.9625
Hunter-Lab	42.9411, 16.9718, -13.0825

Details

The XYZ color **22.1607, 18.4394, 31.2453** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.1905, 26.2985, 17.6485**, and the grayscale version is **18.5777, 19.5451, 21.2847**.

A 20% lighter version of the original color is **46.4146, 40.8191, 62.5593**, and **8.2794, 6.2541, 12.5752** is the 20% darker color. If you saturate the color by 10%, you get **20.3942, 15.4317, 30.7581**, and if you desaturate by 10%, it is **24.2052, 21.9929, 31.8237**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1607, 18.4394, 31.2453 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 22.1607, 18.4394, 31.2453 by changing the saturation by 10% instead.


 22.1607, 18.4394,
31.2453


 22.1607, 18.4394,
31.2453


256.0010,
243.3362, 322.0530


 14.0923, 11.2659,
20.5257


 46.4883, 40.7846,
62.7102


 8.2670, 6.2460,
12.5899


 63.4783, 56.7252,
84.2925

 4.3195, 2.9952,
7.0194


 84.1728, 76.3569,
110.3328

 1.8844, 1.1292,
3.3956

 108.9372,
100.0641, 141.2496

 0.5678, 0.0027,
1.3000

138.1368,
128.2312, 177.4615

 0.0000, 0.0000,
0.0618


172.1371,


 0.0000, 0.0000,


161.2427, 219.3870


0.0000


211.3034,
199.4829, 267.4446


 22.1607, 18.4394,
31.2453


 22.1607, 18.4394,
31.2453


 20.3942, 15.4317,
30.7581

 24.2052, 21.9929,
31.8237


 18.8899, 12.9390,
30.3563


 26.5391, 26.1158,
32.4965


 17.6330, 10.9317,
30.0351

 29.1752, 30.8334,
33.2682

 16.6063, 9.3754,
29.7888

 32.1250, 36.1688,
34.1425

 15.7908, 8.2320,
29.6111

 35.3995, 42.1437,
35.1232

■ 15.1639, 7.4564,
29.4944

■ 39.0091, 48.7788,
36.2137

■ 14.6735, 6.9447,
29.4215

■ 42.9636, 56.0939,
37.4172

■ 14.6417, 6.9121,
29.4169

■ 47.2725, 64.1080,
38.7370

■ 51.9451, 72.8392,
40.1760

Harmonies

Analogous

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



19.6396, 18.4394, 38.2108



22.1607, 18.4394, 31.2453



23.4688, 18.4394, 22.3169

Triad

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



22.1607, 18.4394, 31.2453



18.2915, 18.4394, 8.2835



12.9605, 18.4394, 26.4835

Complementary

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



22.1607, 18.4394, 31.2453



20.1905, 26.2985, 17.6485

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.



12.6822, 18.4394, 17.9930



22.1607, 18.4394, 31.2453



15.5699, 18.4394, 8.8395

Square

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



22.1607, 18.4394, 31.2453



21.0836, 18.4394, 10.1501



13.5874, 18.4394, 11.9490



14.3931, 18.4394, 34.9871

Rectangle

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



22.1607, 18.4394, 31.2453



23.3886, 18.4394, 17.0141



13.5874, 18.4394, 11.9490



12.7355, 18.4394, 23.4879

Sweetspot

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



22.1613, 18.4402, 31.2457



46.9029, 46.2084, 57.3683



17.3102, 16.9882, 31.2211



10.2659, 10.0122, 12.6763



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.



22.1613, 18.4402, 31.2457



37.0716, 29.0586, 54.5762



22.0773, 18.5309, 25.1881



5.9584, 5.8695, 7.2886



12.1631, 5.7429, 24.3985



0.1662, 0.0792, 0.2994

Inverse Universe

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



20.6569, 17.9627, 17.7084



34.0425, 28.1124, 26.6346



20.3266, 26.2676, 22.2176



5.8311, 5.8275, 6.2167



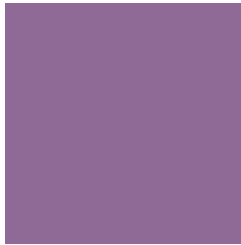
10.5473, 5.4240, 1.0971



0.1353, 0.0689, 0.0461

Previews

White Background



This preview shows how the XYZ color 22.1607, 18.4394, 31.2453 looks on a white background.

Color Contrast Check

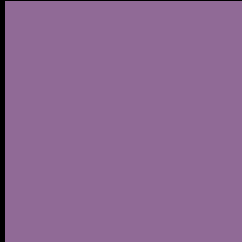
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 22.1607, 18.4394, 31.2453 looks on a black 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

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

XYZ 22.1607, 18.4394, 31.2453

Background



This preview shows how black text looks on a background with the XYZ color 22.1607, 18.4394, 31.2453.



This preview shows how white text looks on a background with the XYZ color 22.1607, 18.4394,

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

22.1607, 18.4394, 31.2453

Protanopia

18.9208, 18.6482, 35.4031

Deuteranopia

18.9090, 18.5737, 30.6054



Tritanopia

19.9996, 18.5199, 20.2899

Trichromacy



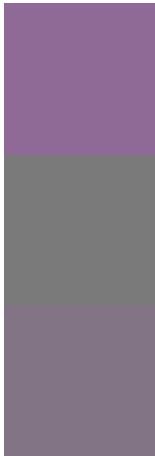
Original Color
22.1607, 18.4394, 31.2453

Protanomaly
19.9032, 18.4999, 33.9743

Deuteranomaly
19.9341, 18.4158, 30.9377

Tritanomaly
20.6572, 18.4533, 23.9458

Monochromacy



Original Color
22.1607, 18.4394, 31.2453

Achromatopsia
18.4984, 19.4618, 21.1939

Achromatomaly
19.6162, 18.9026, 24.4445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1607, 18.4394, 31.2453 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(144, 106, 150) looks like.

```
.text, #text, p{  
    color:rgb(144, 106, 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(144, 106, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 106, 150) }
```

Border

The CSS property to change the border of an element to XYZ 22.1607, 18.4394, 31.2453 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(144, 106, 150) }
```


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

```
.border{ border-color:rgb(144, 106, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 106, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 106, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 106, 150);  
box-shadow:4px 4px 4px 4px rgb(144, 106,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1607, 18.4394, 31.2453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 106, 150) }
```

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

```
.background{ background-color: rgb(144,  
106, 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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