

Converting Colors

XYZ(22.6219, 18.6718, 38.4881)

Have a look what the booklet for
XYZ(22.6219, 18.6718, 38.4881)
contains.

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Color

**XYZ(22.6219, 18.6718,
38.4881)**

Conversions

Conversions Part 1

Format	Color
Hex	8A6BA6
RGB	138, 107, 166
RGB Percent	54%, 42%, 65%
CMY	0.4588, 0.5804, 0.3490
CMYK	0.17, 0.36, 0.00, 0.35
HSL	272°, 25%, 54%
HSV	272°, 36%, 65%
XYZ	22.6219, 18.6718, 38.4881
YIQ	122.9950, -0.4630, 24.9210

Conversions

Conversions Part 2

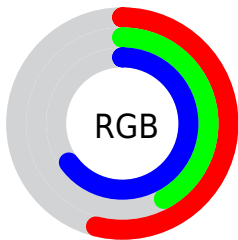
Format	Color
R_{YB}	138, 107, 166
Decimal	9071526
CIE _{Lab}	50.30, 24.08, -27.10
CIE _{LCh}	50, 36.253, 311.624
Yxy	18.6718, 0.2835, 0.2340
Android (android.graphics.Color)	4287261606 (0xFF8A6BA6)
YUV	122.9950, 21.2015, 13.1594
Hunter-Lab	43.2109, 17.8299, -22.5622

Details

The XYZ color **22.6219, 18.6718, 38.4881** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.2821, 33.4852, 18.9887**, and the grayscale version is **18.7580, 19.7349, 21.4913**.

A 20% lighter version of the original color is **47.1875, 41.2232, 73.8764**, and **8.5317, 6.3691, 16.6993** is the 20% darker color. If you saturate the color by 10%, you get **19.7982, 14.8893, 37.9071**, and if you desaturate by 10%, it is **25.8737, 23.1691, 39.1851**.

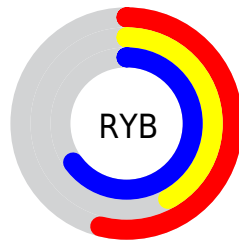
Distribution



Red (54%)

Green (42%)

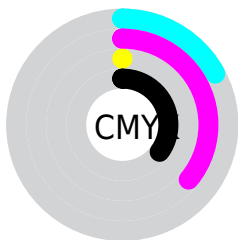
Blue (65%)



Red (54%)

Yellow (42%)

Blue (65%)

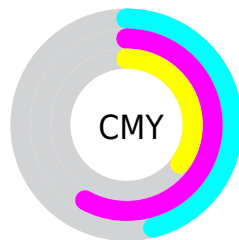


Cyan (17%)

Magenta (36%)

Yellow (0%)

Black (35%)



Cyan (46%)

Magenta (58%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6219, 18.6718, 38.4881 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 22.6219, 18.6718, 38.4881 by changing the saturation by 10% instead.

■ 22.6219, 18.6718,
38.4881

■ 22.6219, 18.6718,
38.4881

258.3488,
244.6309, 355.0699

■ 14.4337, 11.4334,
26.0570

■ 47.2430, 41.1788,
74.0674

■ 8.5067, 6.3591,
16.6401

■ 64.4066, 57.2161,
98.0526

■ 4.4753, 3.0647,
9.8190

■ 85.2927, 76.9552,
126.7262

■ 1.9744, 1.1656,
5.1751

■ 110.2668,
100.7805, 160.5068

■ 0.6195, 0.0333,
2.2898

139.6940,
129.0763, 199.8130

■ 0.0000, 0.0000,
0.7255

173.9399,

■ 0.0000, 0.0000,

162.2270, 245.0632

0.0000

213.3697,
200.6171, 296.6760

■ 22.6219, 18.6718,
38.4881

■ 22.6219, 18.6718,
38.4881

■ 19.7982, 14.8893,
37.9071

■ 25.8737, 23.1691,
39.1851

■ 17.3796, 11.7800,
37.4345

■ 29.5711, 28.4149,
40.0028

■ 15.3436, 9.3017,
37.0634

■ 33.7330, 34.4437,
40.9471

■ 13.6646, 7.4060,
36.7860

■ 38.3765, 41.2870,
42.0232

■ 12.3131, 6.0375,
36.5931

■ 43.5178, 48.9745,
43.2361

■ 11.2517, 5.1246,
36.4728

■ 49.1723, 57.5344,
44.5903

■ 10.8343, 4.7902,
36.4303

■ 55.3547, 66.9938,
46.0903

■ 62.0791, 77.3784,
47.7403

■ 68.9099, 87.8143,
49.3946

Harmonies

Analogous

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



19.1429, 18.6718, 45.7712



22.6219, 18.6718, 38.4881



24.9591, 18.6718, 27.0581

Triad

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



22.6219, 18.6718, 38.4881



19.9624, 18.6718, 6.9444



11.9195, 18.6718, 24.4822

Complementary

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



22.6219, 18.6718, 38.4881



26.2821, 33.4852, 18.9887

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.



12.0781, 18.6718, 14.8220



22.6219, 18.6718, 38.4881



16.4206, 18.6718, 6.6603

Square

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



22.6219, 18.6718, 38.4881



23.2896, 18.6718, 9.9986



13.6281, 18.6718, 9.0283



13.1619, 18.6718, 36.0754

Rectangle

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



22.6219, 18.6718, 38.4881



25.3905, 18.6718, 19.7870



13.6281, 18.6718, 9.0283



11.8157, 18.6718, 20.8837

Sweetspot

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



22.6225, 18.6726, 38.4885



56.8385, 56.1369, 73.3151



21.6832, 23.3521, 39.4413



12.5037, 12.2508, 16.3578



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.



22.6225, 18.6726, 38.4885



36.7704, 28.1284, 68.9666



27.7771, 21.3402, 38.2606



7.4938, 7.4872, 9.4685



8.4557, 3.7425, 28.2522



0.2642, 0.1212, 0.6901

Inverse Universe

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



25.3572, 20.3723, 25.5178



42.7393, 31.8345, 40.8296



22.4061, 31.4810, 19.0789



7.6738, 7.5994, 8.5993



13.3061, 6.7312, 6.4235



0.3497, 0.1742, 0.2932

Previews

White Background



This preview shows how the XYZ color 22.6219, 18.6718, 38.4881 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 22.6219, 18.6718, 38.4881 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 22.6219, 18.6718, 38.4881

Background



This preview shows how black text looks on a background with the XYZ color 22.6219, 18.6718, 38.4881.



This preview shows how white text looks on a background with the XYZ color 22.6219, 18.6718,

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

22.6219, 18.6718, 38.4881

Protanopia

19.5831, 18.8187, 43.1577

Deuteranopia

19.1231, 18.7014, 37.7238



Tritanopia

19.1925, 18.5674, 21.9744

Trichromacy



Original Color

22.6219, 18.6718, 38.4881

Protanomaly

20.4031, 18.5906, 41.5427

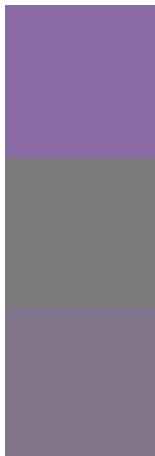
Deuteranomaly

20.2801, 18.6028, 38.1191

Tritanomaly

20.3593, 18.5501, 27.3184

Monochromacy



Original Color

22.6219, 18.6718, 38.4881

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.9236, 19.1759, 27.0773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6219, 18.6718, 38.4881 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(138, 107, 166)` looks like.

```
.text, #text, p{  
    color:rgb(138, 107, 166)  
}
```

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(138, 107, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 107, 166) }
```

Border

The CSS property to change the border of an element to XYZ 22.6219, 18.6718, 38.4881 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(138, 107, 166) }
```


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

```
.border{ border-color:rgb(138, 107, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 107, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 107, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 107, 166);  
box-shadow:4px 4px 4px 4px rgb(138, 107,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6219, 18.6718, 38.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 107, 166) }
```

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

```
.background{ background-color: rgb(138,  
107, 166) }
```

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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