

Converting Colors

XYZ(21.8049, 18.1272, 44.7330)

Have a look what the booklet for
XYZ(21.8049, 18.1272, 44.7330)
contains.

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Color

**XYZ(21.8518, 18.1300,
44.9956)**

Conversions

Conversions Part 1

Format	Color
Hex	7D6BB3
RGB	125, 107, 179
RGB Percent	49%, 42%, 70%
CMY	0.5098, 0.5804, 0.2980
CMYK	0.30, 0.40, 0.00, 0.30
HSL	255°, 32%, 56%
HSV	255°, 40%, 70%
XYZ	21.8518, 18.1300, 44.9956
YIQ	120.5900, -12.3840, 26.2080

Conversions

Conversions Part 2

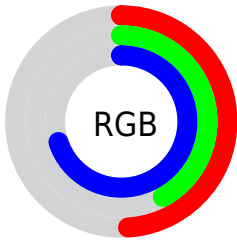
Format	Color
R _Y B	125, 107, 179
Decimal	8219571
CIE Lab	49.65, 23.32, -35.77
CIE LCh	50, 42.702, 303.093
Yxy	18.1300, 0.2571, 0.2134
Android (android.graphics.Color)	4286409651 (0xFF7D6BB3)
YUV	120.5900, 28.7961, 3.8676
Hunter-Lab	42.5793, 17.0927, -32.8490

Details

The XYZ color **21.8518, 18.1300, 44.9956** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.4723, 40.8792, 20.0368**, and the grayscale version is **17.9555, 18.8906, 20.5718**.

A 20% lighter version of the original color is **45.9839, 40.3781, 83.9674**, and **8.0775, 6.0508, 20.4808** is the 20% darker color. If you saturate the color by 10%, you get **18.3461, 13.8336, 44.3514**, and if you desaturate by 10%, it is **26.0101, 23.3370, 45.7818**.

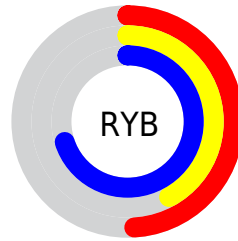
Distribution



Red (49%)

Green (42%)

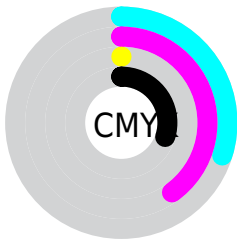
Blue (70%)



Red (49%)

Yellow (42%)

Blue (70%)

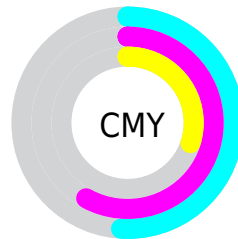


Cyan (30%)

Magenta (40%)

Yellow (0%)

Black (30%)



Cyan (51%)

Magenta (58%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8518, 18.1300, 44.9956 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 21.8518, 18.1300, 44.9956 by changing the saturation by 10% instead.

■ 21.8518, 18.1300,
44.9956

■ 21.8518, 18.1300,
44.9956

254.4183,
241.6028, 382.9153

■ 13.8640, 11.0434,
31.1110

■ 45.9816, 40.2587,
84.0322

■ 8.1072, 6.0960,
20.4242

■ 62.8544, 56.0696,
110.0213

■ 4.2160, 2.9035,
12.5167

■ 83.4195, 75.5573,
140.8823

■ 1.8251, 1.0816,
6.9698

■ 108.0424, 99.1063,
177.0338

■ 0.5327, 0.0000,
3.3651

137.0883,
127.1010, 218.8943

■ 0.0000, 0.0000,
1.2839

170.9227,

■ 0.0000, 0.0000,

159.9257, 266.8824

0.0486

209.9109,
197.9648, 321.4166

■ 0.0000, 0.0000,
0.0000

■ 21.8518, 18.1300,
44.9956

■ 21.8518, 18.1300,
44.9956

■ 18.3461, 13.8336,
44.3514

■ 26.0101, 23.3370,
45.7818

■ 15.4563, 10.3921,
43.8394

■ 30.8508, 29.5015,
46.7165

■ 13.1453, 7.7471,
43.4507

■ 36.4044, 36.6696,
47.8074

■ 11.3705, 5.8316,
43.1745

■ 42.6989, 44.8840,
49.0612

■ 10.0829, 4.5672,
42.9983

■ 49.7606, 54.1847,
50.4842

■ 9.2080, 3.8070,
42.8977

■ 57.6147, 64.6096,
52.0825

■ 66.2851, 76.1949,
53.8617

■ 75.7947, 88.9751,
55.8273

■ 81.8420, 94.3362,
56.5434

Harmonies

Analogous

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



17.6564, 18.1300, 51.5070



21.8518, 18.1300, 44.9956



25.1663, 18.1300, 31.6747

Triad

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



21.8518, 18.1300, 44.9956



21.0087, 18.1300, 5.7686



10.5574, 18.1300, 20.9707

Complementary

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



21.8518, 18.1300, 44.9956



33.4723, 40.8792, 20.0368

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.



11.1698, 18.1300, 11.2582



21.8518, 18.1300, 44.9956



16.8145, 18.1300, 4.7805

Square

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



21.8518, 18.1300, 44.9956



24.6283, 18.1300, 9.8824



13.3141, 18.1300, 6.3160



11.4881, 18.1300, 34.6236

Rectangle

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



21.8518, 18.1300, 44.9956



26.1941, 18.1300, 22.5507



13.3141, 18.1300, 6.3160



10.5901, 18.1300, 17.1740

Sweetspot

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



21.8525, 18.1307, 44.9960



63.1254, 62.9852, 85.2115



26.9455, 31.8708, 47.3797



13.6942, 13.5774, 18.8212



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.8525, 18.1307, 44.9960



33.6752, 25.7666, 79.5797



28.0928, 21.3477, 45.2881



8.2345, 8.3294, 10.6801



6.5584, 2.7168, 30.3157



0.2607, 0.1135, 0.9564

Inverse Universe

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



30.2816, 22.6729, 36.4988



51.0153, 35.1273, 61.3460



27.2319, 37.6622, 19.7448



8.7574, 8.6097, 10.2211



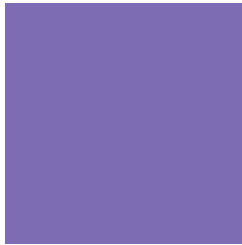
16.2169, 8.0043, 16.8343



0.5320, 0.2605, 0.6439

Previews

White Background



This preview shows how the XYZ color 21.8518, 18.1300, 44.9956 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 21.8518, 18.1300, 44.9956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

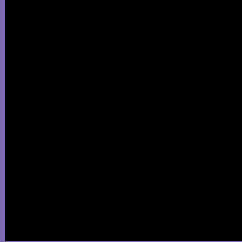
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8518, 18.1300, 44.9956

Background



This preview shows how black text looks on a background with the XYZ color 21.8518, 18.1300, 44.9956.



This preview shows how white text looks on a background with the XYZ color 21.8518, 18.1300,

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

21.8518, 18.1300, 44.9956

Protanopia

19.5294, 18.3028, 49.5172

Deuteranopia

18.7286, 18.3553, 44.1508



Tritanopia

17.3794, 18.1340, 22.6629

Trichromacy



Original Color

21.8518, 18.1300, 44.9956

Protanomaly

20.1504, 18.1545, 47.7895

Deuteranomaly

19.6467, 18.1325, 44.5839

Tritanomaly

18.8134, 18.0319, 29.6831

Monochromacy



Original Color

21.8518, 18.1300, 44.9956

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1539, 18.5814, 28.1682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8518, 18.1300, 44.9956 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(125, 107, 179)` looks like.

```
.text, #text, p{  
    color:rgb(125, 107, 179)  
}
```

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(125, 107, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 107, 179) }
```

Border

The CSS property to change the border of an element to XYZ 21.8518, 18.1300, 44.9956 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(125, 107, 179) }
```


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

```
.border{ border-color:rgb(125, 107, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 107, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 107, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 107, 179);  
box-shadow:4px 4px 4px 4px rgb(125, 107,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8518, 18.1300, 44.9956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 107, 179) }
```

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

```
.background{ background-color: rgb(125,  
107, 179) }
```

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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