

Converting Colors

XYZ(21.7708, 19.5166, 45.2603)

Have a look what the booklet for
XYZ(21.7708, 19.5166, 45.2603)
contains.

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Color

**XYZ(21.8533, 19.5970,
45.2786)**

Conversions

Conversions Part 1

Format	Color
Hex	7674B3
RGB	118, 116, 179
RGB Percent	46%, 45%, 70%
CMY	0.5372, 0.5451, 0.2980
CMYK	0.34, 0.35, 0.00, 0.30
HSL	242°, 29%, 58%
HSV	242°, 35%, 70%
XYZ	21.8533, 19.5970, 45.2786
YIQ	123.7800, -19.0310, 20.0170

Conversions

Conversions Part 2

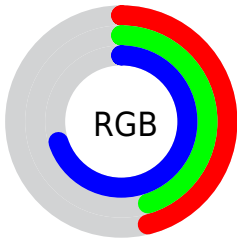
Format	Color
R_{YB}	118, 116, 179
Decimal	7763123
CIE _{Lab}	51.38, 15.89, -33.11
CIE _{LCh}	51, 36.726, 295.631
Yxy	19.5970, 0.2520, 0.2260
Android (android.graphics.Color)	4285953203 (0xFF7674B3)
YUV	123.7800, 27.2235, -5.0691
Hunter-Lab	44.2685, 10.6473, -29.6549

Details

The XYZ color **21.8533, 19.5970, 45.2786** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.4042, 42.8485, 22.8229**, and the grayscale version is **19.0025, 19.9921, 21.7714**.

A 20% lighter version of the original color is **46.0113, 42.7741, 84.4284**, and **8.1478, 6.8339, 20.6283** is the 20% darker color. If you saturate the color by 10%, you get **17.8441, 14.7570, 44.5560**, and if you desaturate by 10%, it is **26.6939, 25.4566, 46.1548**.

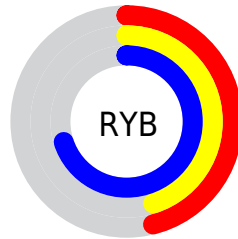
Distribution



Red (46%)

Green (45%)

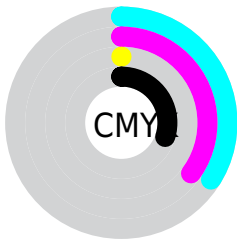
Blue (70%)



Red (46%)

Yellow (45%)

Blue (70%)

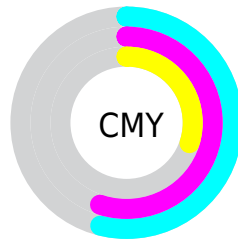


Cyan (34%)

Magenta (35%)

Yellow (0%)

Black (30%)



Cyan (54%)

Magenta (55%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8533, 19.5970, 45.2786 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 21.8533, 19.5970, 45.2786 by changing the saturation by 10% instead.

■ 21.8533, 19.5970,
45.2786

■ 21.8533, 19.5970,
45.2786

254.4260,
249.7250, 384.0937

■ 13.8651, 12.1024,
31.3324

■ 45.9841, 42.7405,
84.4612

■ 8.1080, 6.8135,
20.5915

■ 62.8574, 59.1582,
110.5347

■ 4.2165, 3.3457,
12.6374

■ 83.4232, 79.3191,
141.4876

■ 1.8253, 1.3148,
7.0516

108.0467,
103.6076, 177.7386

■ 0.5329, 0.1526,
3.4154

137.0934,
132.4080, 219.7062

■ 0.0000, 0.0000,
1.3105

170.9286,

■ 0.0000, 0.0000,

166.1048, 267.8088

0.0703

209.9177,
205.0823, 322.4652

■ 0.0000, 0.0000,
0.0000

■ 21.8533, 19.5970,
45.2786

■ 21.8533, 19.5970,
45.2786

■ 17.8441, 14.7570,
44.5560

■ 26.6939, 25.4566,
46.1548

■ 14.6176, 10.8762,
43.9770

■ 32.4069, 32.3869,
47.1914

■ 12.1232, 7.8914,
43.5324

■ 39.0328, 40.4385,
48.3963

■ 10.3036, 5.7311,
43.2113

■ 46.6093, 49.6579,
49.7765

■ 9.0929, 4.3126,
43.0013

■ 55.1718, 60.0891,
51.3386

■ 8.4114, 3.5349,
42.8871

■ 64.7540, 71.7738,
53.0890

■ 8.2079, 3.2914,
42.8508

■ 75.3878, 84.7518,
55.0335

■ 85.1367, 96.0347,
56.6975

Harmonies

Analogous

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



18.0932, 19.5970, 48.5454



21.8533, 19.5970, 45.2786



25.0890, 19.5970, 34.9224

Triad

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



21.8533, 19.5970, 45.2786



22.9070, 19.5970, 8.6133



12.4317, 19.5970, 19.8329

Complementary

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



21.8533, 19.5970, 45.2786



37.4042, 42.8485, 22.8229

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.



13.3813, 19.5970, 11.8310



21.8533, 19.5970, 45.2786



19.1699, 19.5970, 6.8517

Square

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



21.8533, 19.5970, 45.2786



25.7513, 19.5970, 13.7263



15.7338, 19.5970, 7.7984



12.9542, 19.5970, 31.3437

Rectangle

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



21.8533, 19.5970, 45.2786



26.3444, 19.5970, 26.7644



15.7338, 19.5970, 7.7984



12.5854, 19.5970, 16.6993

Sweetspot

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



21.8540, 19.5977, 45.2791



62.5963, 63.5383, 85.3461



31.2501, 38.7890, 48.4881



13.5253, 13.6604, 18.8461



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.



21.8540, 19.5977, 45.2791



33.6084, 28.4189, 80.0952



26.6951, 22.0934, 45.5056



8.0661, 8.2426, 10.6722



5.8106, 2.3313, 30.2807



0.1910, 0.0776, 0.9531

Inverse Universe

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



32.7720, 25.2494, 44.7413



56.0382, 40.0323, 78.8691



31.2072, 39.6539, 22.5328



8.8381, 8.6420, 10.6461



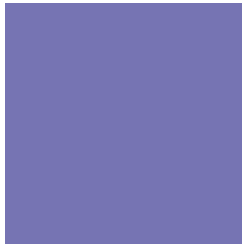
18.4933, 8.9149, 28.8216



0.5855, 0.2819, 0.9258

Previews

White Background



This preview shows how the XYZ color 21.8533, 19.5970, 45.2786 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 21.8533, 19.5970, 45.2786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

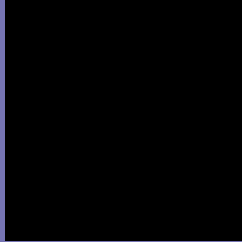
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8533, 19.5970, 45.2786

Background



This preview shows how black text looks on a background with the XYZ color 21.8533, 19.5970, 45.2786.

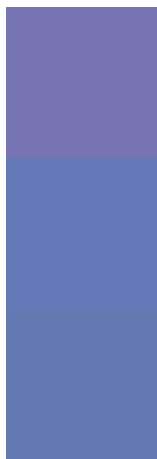


This preview shows how white text looks on a background with the XYZ color 21.8533, 19.5970,

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

21.8533, 19.5970, 45.2786

Protanopia

20.6305, 19.6185, 47.4992

Deuteranopia

20.1288, 19.5984, 44.8415



Tritanopia

17.8911, 19.6046, 25.7628

Trichromacy



Original Color

21.8533, 19.5970, 45.2786

Protanomaly

21.1037, 19.6969, 46.9456

Deuteranomaly

20.6961, 19.5338, 44.7991

Tritanomaly

19.2275, 19.5982, 32.0476

Monochromacy



Original Color

21.8533, 19.5970, 45.2786

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.8975, 19.8259, 29.1636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8533, 19.5970, 45.2786 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(118, 116, 179)` looks like.

```
.text, #text, p{  
    color:rgb(118, 116, 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(118, 116, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 116, 179) }
```

Border

The CSS property to change the border of an element to XYZ 21.8533, 19.5970, 45.2786 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(118, 116, 179) }
```


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

```
.border{ border-color:rgb(118, 116, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 116, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 116, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 116, 179);  
box-shadow:4px 4px 4px 4px rgb(118, 116,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8533, 19.5970, 45.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 116, 179) }
```

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

```
.background{ background-color: rgb(118,  
116, 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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