

Converting Colors

XYZ(21.6220, 18.1077, 47.7030)

Have a look what the booklet for
XYZ(21.6220, 18.1077, 47.7030)
contains.

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Color

**XYZ(21.6220, 18.1078,
47.7029)**

Conversions

Conversions Part 1

Format	Color
Hex	776CB8
RGB	119, 108, 184
RGB Percent	47%, 42%, 72%
CMY	0.5333, 0.5765, 0.2784
CMYK	0.35, 0.41, 0.00, 0.28
HSL	249°, 35%, 57%
HSV	249°, 41%, 72%
XYZ	21.6220, 18.1078, 47.7029
YIQ	119.9530, -17.8400, 25.9680

Conversions

Conversions Part 2

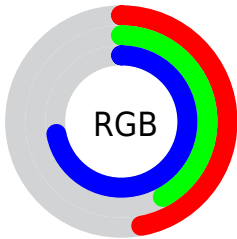
Format	Color
R_{YB}	119, 108, 184
Decimal	7826616
CIE _{Lab}	49.63, 22.35, -38.75
CIE _{LCh}	50, 44.736, 299.978
Yxy	18.1078, 0.2473, 0.2071
Android (android.graphics.Color)	4286016696 (0xFF776CB8)
YUV	119.9530, 31.5752, -0.8358
Hunter-Lab	42.5533, 16.2305, -36.6778

Details

The XYZ color **21.6220, 18.1078, 47.7029** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.0812, 44.2483, 20.7744**, and the grayscale version is **17.7446, 18.6687, 20.3302**.

A 20% lighter version of the original color is **45.5326, 40.3171, 87.8202**, and **7.9599, 6.0367, 21.8648** is the 20% darker color. If you saturate the color by 10%, you get **17.8985, 13.6054, 47.0304**, and if you desaturate by 10%, it is **26.1140, 23.6149, 48.5295**.

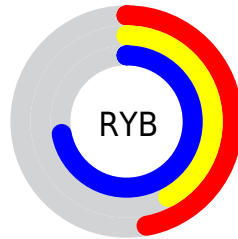
Distribution



Red (47%)

Green (42%)

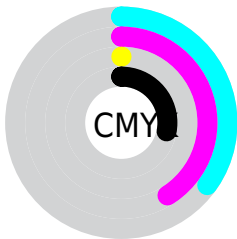
Blue (72%)



Red (47%)

Yellow (42%)

Blue (72%)

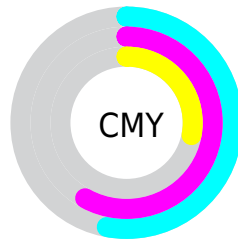


Cyan (35%)

Magenta (41%)

Yellow (0%)

Black (28%)



Cyan (53%)

Magenta (58%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6220, 18.1078, 47.7029 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 21.6220, 18.1078, 47.7029 by changing the saturation by 10% instead.

■ 21.6220, 18.1078,
47.7029

■ 21.6220, 18.1078,
47.7029

253.2355,
241.4780, 394.0880

■ 13.6945, 11.0274,
33.2333

■ 45.6040, 40.2209,
88.1228

■ 7.9887, 6.0853,
22.0327

■ 62.3891, 56.0225,
114.9103

■ 4.1395, 2.8970,
13.6824

■ 82.8575, 75.4998,
146.6408

■ 1.7813, 1.0782,
7.7639

■ 107.3745, 99.0374,
183.7329

■ 0.5064, 0.0000,
3.8586

136.3054,
127.0196, 226.6051

■ 0.0000, 0.0000,
1.5481

170.0156,

■ 0.0000, 0.0000,

159.8309, 275.6760

0.2534

208.8706,
197.8555, 331.3641

■ 0.0000, 0.0000,
0.0000

■ 21.6220, 18.1078,
47.7029

■ 21.6220, 18.1078,
47.7029

■ 17.8985, 13.6054,
47.0304

■ 26.1140, 23.6149,
48.5295

■ 14.8979, 10.0448,
46.5013

■ 31.4125, 30.1805,
49.5175

■ 12.5729, 7.3587,
46.1054

■ 37.5556, 37.8572,
50.6755

■ 10.8693, 5.4702,
45.8307

■ 44.5780, 46.6931,
52.0108

■ 9.7246, 4.2889,
45.6630

■ 52.5129, 56.7338,
53.5307

■ 9.0941, 3.6887,
45.5804

■ 61.3914, 68.0223,
55.2416

■ 71.2432, 80.5994,
57.1500

■ 82.0321, 94.3747,
59.2403

■ 85.6518, 96.2407,
59.4097

Harmonies

Analogous

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



17.2079, 18.1078, 53.5667



21.6220, 18.1078, 47.7029



25.2933, 18.1078, 33.8839

Triad

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



21.6220, 18.1078, 47.7029



21.6282, 18.1078, 5.6086



10.2686, 18.1078, 19.7075

Complementary

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



21.6220, 18.1078, 47.7029



37.0812, 44.2483, 20.7744

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.



11.0647, 18.1078, 10.1777



21.6220, 18.1078, 47.7029



17.2140, 18.1078, 4.3581

Square

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



21.6220, 18.1078, 47.7029



25.2973, 18.1078, 10.1875



13.4447, 18.1078, 5.6048



11.0625, 18.1078, 33.8621

Rectangle

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



21.6220, 18.1078, 47.7029



26.5693, 18.1078, 24.0723



13.4447, 18.1078, 5.6048



10.3571, 18.1078, 15.9203

Sweetspot

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



21.6227, 18.1085, 47.7033



67.0155, 67.2923, 91.6612



29.9469, 36.8699, 50.8859



14.1229, 14.1007, 19.6989



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.6227, 18.1085, 47.7033



32.7309, 25.0054, 85.3060



27.7510, 21.2677, 47.9901



8.6389, 8.7802, 11.3189



6.3050, 2.5616, 31.4152



0.2610, 0.1103, 1.1093

Inverse Universe

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



32.6730, 23.9332, 42.4330



55.7641, 37.1626, 73.5897



29.9795, 40.5872, 20.4421



9.3235, 9.1398, 11.0511



17.8595, 8.7176, 22.9447



0.6450, 0.3135, 0.8901

Previews

White Background



This preview shows how the XYZ color 21.6220, 18.1078, 47.7029 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 21.6220, 18.1078, 47.7029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

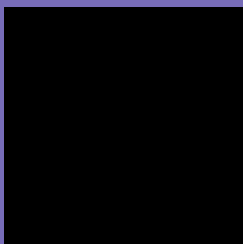
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6220, 18.1078, 47.7029

Background



This preview shows how black text looks on a background with the XYZ color 21.6220, 18.1078, 47.7029.

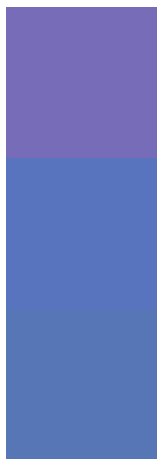


This preview shows how white text looks on a background with the XYZ color 21.6220, 18.1078,

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

21.6220, 18.1078, 47.7029

Protanopia

19.7692, 18.3762, 51.7952

Deuteranopia

18.7597, 18.3127, 46.8019



Tritanopia

16.7423, 18.1437, 23.3886

Trichromacy



Original Color

21.6220, 18.1078, 47.7029

Protanomaly

20.2378, 18.1504, 50.0137

Deuteranomaly

19.6016, 18.0502, 47.2507

Tritanomaly

18.2258, 18.0402, 30.9553

Monochromacy



Original Color

21.6220, 18.1078, 47.7029

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.9490, 18.4670, 28.5524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6220, 18.1078, 47.7029 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(119, 108, 184)` looks like.

```
.text, #text, p{  
    color:rgb(119, 108, 184)  
}
```

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(119, 108, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 108, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.6220, 18.1078, 47.7029 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(119, 108, 184) }
```


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

```
.border{ border-color:rgb(119, 108, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 108, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 108, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 108, 184);  
box-shadow:4px 4px 4px 4px rgb(119, 108,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6220, 18.1078, 47.7029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 108, 184) }
```

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

```
.background{ background-color: rgb(119,  
108, 184) }
```

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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