

Converting Colors

XYZ(21.8267, 18.2448, 46.6124)

Have a look what the booklet for
XYZ(21.8267, 18.2448, 46.6124)
contains.

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Color

**XYZ(21.8321, 18.2401,
46.6260)**

Conversions

Conversions Part 1

Format	Color
Hex	7A6CB6
RGB	122, 108, 182
RGB Percent	48%, 42%, 71%
CMY	0.5216, 0.5765, 0.2863
CMYK	0.33, 0.41, 0.00, 0.29
HSL	251°, 34%, 57%
HSV	251°, 41%, 71%
XYZ	21.8321, 18.2401, 46.6260
YIQ	120.6220, -15.4100, 25.9820

Conversions

Conversions Part 2

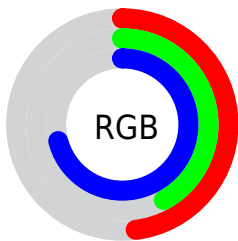
Format	Color
RYB	122, 108, 182
Decimal	8023222
CIELab	49.79, 22.65, -37.32
CIELCh	50, 43.660, 301.253
Yxy	18.2401, 0.2518, 0.2104
Android (android.graphics.Color)	4286213302 (0xFF7A6CB6)
YUV	120.6220, 30.2594, 1.2085
Hunter-Lab	42.7084, 16.5076, -34.8327

Details

The XYZ color **21.8321, 18.2401, 46.6260** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.5835, 42.8638, 20.5861**, and the grayscale version is **17.9620, 18.8974, 20.5792**.

A 20% lighter version of the original color is **45.9079, 40.5448, 86.2952**, and **8.1041, 6.1188, 21.5228** is the 20% darker color. If you saturate the color by 10%, you get **18.1761, 13.7975, 45.9615**, and if you desaturate by 10%, it is **26.2074, 23.6490, 47.4397**.

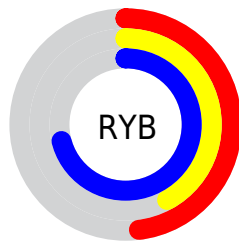
Distribution



Red (48%)

Green (42%)

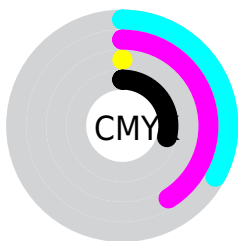
Blue (71%)



Red (48%)

Yellow (42%)

Blue (71%)

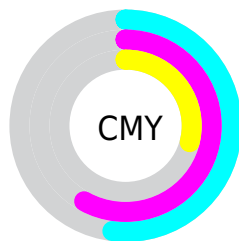


Cyan (33%)

Magenta (41%)

Yellow (0%)

Black (29%)



Cyan (52%)

Magenta (58%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8321, 18.2401, 46.6260 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 21.8321, 18.2401, 46.6260 by changing the saturation by 10% instead.

■ 21.8321, 18.2401,
46.6260

■ 21.8321, 18.2401,
46.6260

254.3171,
242.2209, 389.6701

■ 13.8495, 11.1225,
32.3879

■ 45.9493, 40.4460,
86.4992

■ 8.0971, 6.1493,
21.3907

■ 62.8145, 56.3031,
112.9714

■ 4.2094, 2.9361,
13.2158

■ 83.3714, 75.8422,
144.3586

■ 1.8213, 1.0984,
7.4449

■ 107.9852, 99.4477,
181.0795

■ 0.5305, 0.0000,
3.6592

137.0213,
127.5039, 223.5526

■ 0.0000, 0.0000,
1.4403

170.8451,

■ 0.0000, 0.0000,

160.3952, 272.1963

0.1729

209.8219,
198.5061, 327.4293

■ 0.0000, 0.0000,
0.0000

■ 21.8321, 18.2401,
46.6260

■ 21.8321, 18.2401,
46.6260

■ 18.1761, 13.7975,
45.9615

■ 26.2074, 23.6490,
47.4397

■ 15.1980, 10.2615,
45.4360

■ 31.3363, 30.0748,
48.4097

■ 12.8551, 7.5689,
45.0397

■ 37.2534, 37.5673,
49.5441

■ 11.0989, 5.6474,
44.7614

■ 43.9902, 46.1722,
50.8499

■ 9.8733, 4.4121,
44.5876

■ 51.5768, 55.9325,
52.3340

■ 9.1177, 3.7249,
44.4947

■ 60.0417, 66.8891,
54.0027

■ 69.4120, 79.0806,
55.8620

■ 79.7135, 92.5442,
57.9178

■ 85.3746, 96.1218,
58.3100

Harmonies

Analogous

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



17.5124, 18.2401, 52.7449



21.8321, 18.2401, 46.6260



25.3482, 18.2401, 33.0584

Triad

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



21.8321, 18.2401, 46.6260



21.4803, 18.2401, 5.7753



10.4997, 18.2401, 20.3661

Complementary

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



21.8321, 18.2401, 46.6260



35.5835, 42.8638, 20.5861

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.



11.2208, 18.2401, 10.7463



21.8321, 18.2401, 46.6260



17.1621, 18.2401, 4.6234

Square

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



21.8321, 18.2401, 46.6260



25.1232, 18.2401, 10.1797



13.5050, 18.2401, 5.9982



11.3523, 18.2401, 34.2936

Rectangle

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



21.8321, 18.2401, 46.6260



26.5171, 18.2401, 23.5561



13.5050, 18.2401, 5.9982



10.5652, 18.2401, 16.5729

Sweetspot

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



21.8328, 18.2408, 46.6264



65.7868, 65.8807, 89.4846



28.7111, 34.7316, 49.4470



14.2115, 14.1463, 19.7031



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.



21.8328, 18.2408, 46.6264



33.4548, 25.6185, 83.4173



28.0189, 21.4298, 46.9159



8.6755, 8.7991, 11.3206



6.4816, 2.6526, 31.4235



0.2766, 0.1183, 1.1100

Inverse Universe

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



31.7223, 23.4979, 39.9095



54.0929, 36.6069, 68.6156



28.8626, 39.3990, 20.2715



9.3061, 9.1328, 10.9593



17.3970, 8.5326, 20.5093



0.6323, 0.3084, 0.8234

Previews

White Background



This preview shows how the XYZ color 21.8321, 18.2401, 46.6260 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 21.8321, 18.2401, 46.6260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

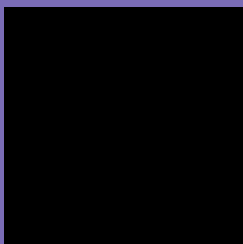
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8321, 18.2401, 46.6260

Background



This preview shows how black text looks on a background with the XYZ color 21.8321, 18.2401, 46.6260.

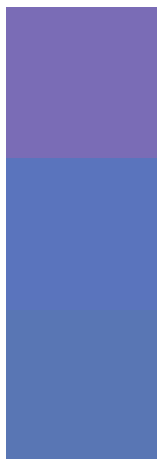


This preview shows how white text looks on a background with the XYZ color 21.8321, 18.2401,

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

21.8321, 18.2401, 46.6260

Protanopia

19.6471, 18.3386, 50.6483

Deuteranopia

18.8365, 18.3760, 45.7342



Tritanopia

17.1148, 18.1581, 23.3717

Trichromacy



Original Color

21.8321, 18.2401, 46.6260

Protanomaly

20.2475, 18.1802, 48.8963

Deuteranomaly

19.7246, 18.1375, 46.1774

Tritanomaly

18.5463, 18.0444, 30.5224

Monochromacy



Original Color

21.8321, 18.2401, 46.6260

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0885, 18.5389, 28.5589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8321, 18.2401, 46.6260 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(122, 108, 182)` looks like.

```
.text, #text, p{  
    color:rgb(122, 108, 182)  
}
```

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(122, 108, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 108, 182) }
```

Border

The CSS property to change the border of an element to XYZ 21.8321, 18.2401, 46.6260 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(122, 108, 182) }
```


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

```
.border{ border-color:rgb(122, 108, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 108, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 108, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 108, 182);  
box-shadow:4px 4px 4px 4px rgb(122, 108,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8321, 18.2401, 46.6260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 108, 182) }
```

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

```
.background{ background-color: rgb(122,  
108, 182) }
```

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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