

Converting Colors

XYZ(22.0437, 18.2186, 49.1324)

Have a look what the booklet for
XYZ(22.0437, 18.2186, 49.1324)
contains.

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Color

**XYZ(22.0779, 18.3061,
49.3835)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 786CBB |
| RGB | 120, 108, 187 |
| RGB Percent | 47%, 42%, 73% |
| CMY | 0.5294, 0.5765, 0.2667 |
| CMYK | 0.36, 0.42, 0.00, 0.27 |
| HSL | 249°, 37%, 58% |
| HSV | 249°, 42%, 73% |
| XYZ | 22.0779, 18.3061, 49.3835 |
| YIQ | 120.5940, -18.2070, 27.1130 |

Conversions

Conversions Part 2

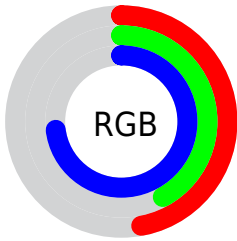
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 120, 108, 187 |
| Decimal | 7892155 |
| CIE _{Lab} | 49.87, 23.45, -40.10 |
| CIE _{LCh} | 50, 46.458, 300.322 |
| Yxy | 18.3061, 0.2459, 0.2039 |
| Android (android.graphics.Color) | 4286082235 (0xFF786CBB) |
| YUV | 120.5940, 32.7382, -0.5209 |
| Hunter-Lab | 42.7856, 17.2333, -38.4830 |

Details

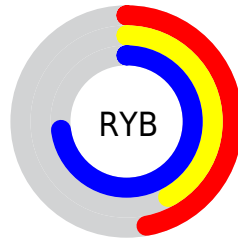
The XYZ color **22.0779, 18.3061, 49.3835** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **38.1567, 45.7377, 21.0052**, and the grayscale version is **17.9459, 18.8805, 20.5609**.

A 20% lighter version of the original color is **46.5791, 40.7872, 91.0057**, and **8.1642, 6.1185, 22.9410** is the 20% darker color. If you saturate the color by 10%, you get **18.2928, 13.7347, 48.7010**, and if you desaturate by 10%, it is **26.6516, 23.9126, 50.2249**.

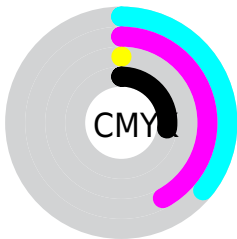
Distribution



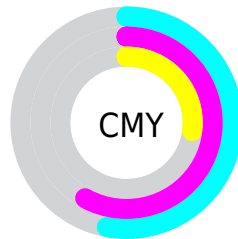
- Red (47%)
- Green (42%)
- Blue (73%)



- Red (47%)
- Yellow (42%)
- Blue (73%)



- Cyan (36%)
- Magenta (42%)
- Yellow (0%)
- Black (27%)



- Cyan (53%)
- Magenta (58%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0779, 18.3061, 49.3835 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 22.0779, 18.3061, 49.3835 by changing the saturation by 10% instead.

■ 22.0779, 18.3061,
49.3835

■ 22.0779, 18.3061,
49.3835

255.5775,
242.5908, 400.9159

■ 14.0311, 11.1700,
34.5560

■ 46.3526, 40.5582,
90.6476

■ 8.2241, 6.1813,
23.0403

■ 63.3112, 56.4430,
117.9214

■ 4.2917, 2.9556,
14.4177

■ 83.9711, 76.0128,
150.1810

■ 1.8685, 1.1086,
8.2697

■ 108.6977, 99.6520,
187.8451

■ 0.5584, 0.0000,
4.1778

137.8562,
127.7450, 231.3320

■ 0.0000, 0.0000,
1.7234

171.8121,

■ 0.0000, 0.0000,

160.6762, 281.0605

0.3767

210.9308,
198.8300, 337.4489

■ 0.0000, 0.0000,
0.0000

■ 22.0779, 18.3061,
49.3835

■ 22.0779, 18.3061,
49.3835

■ 18.2928, 13.7347,
48.7010

■ 26.6516, 23.9126,
50.2249

■ 15.2491, 10.1325,
48.1661

■ 32.0535, 30.6105,
51.2331

■ 12.8975, 7.4292,
47.7683

■ 38.3229, 38.4545,
52.4167

■ 11.1818, 5.5440,
47.4948

■ 45.4959, 47.4949,
53.7836

■ 10.0363, 4.3810,
47.3307

■ 53.6066, 57.7792,
55.3412

■ 9.4598, 3.8405,
47.2568

■ 62.6874, 69.3521,
57.0964

■ 72.7689, 82.2561,
59.0557

■ 83.0446, 94.8599,
60.9469

■ 85.9697, 96.3679,
61.0838

Harmonies

Analogous

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



17.4475, 18.3061, 55.7671



22.0779, 18.3061, 49.3835



25.9258, 18.3061, 34.6635

Triad

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



22.0779, 18.3061, 49.3835



21.9805, 18.3061, 5.3376



10.1793, 18.3061, 20.0701

Complementary

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



22.0779, 18.3061, 49.3835



38.1567, 45.7377, 21.0052

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.



10.9832, 18.3061, 10.1078



22.0779, 18.3061, 49.3835



17.3514, 18.3061, 4.1125

Square

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



22.0779, 18.3061, 49.3835



25.8632, 18.3061, 9.9570



13.4334, 18.3061, 5.3950



11.0186, 18.3061, 35.0091

Rectangle

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



22.0779, 18.3061, 49.3835



27.2509, 18.3061, 24.3340



13.4334, 18.3061, 5.3950



10.2644, 18.3061, 16.0962

Sweetspot

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



22.0786, 18.3068, 49.3839



67.4822, 67.4231, 93.6587



30.5137, 37.4949, 52.6430



14.2887, 14.1304, 20.5169



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.0786, 18.3068, 49.3839



33.0197, 24.9069, 87.2686



28.7004, 21.7204, 49.6938



9.1478, 9.2931, 11.9838



6.5572, 2.6664, 32.5620



0.3003, 0.1268, 1.2775

Inverse Universe

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



33.5944, 24.3857, 43.4941



56.6498, 37.3983, 74.3867



30.5742, 41.8288, 20.6504



9.8660, 9.6707, 11.6833



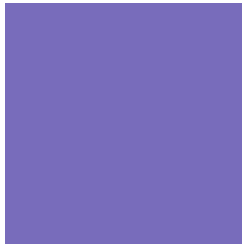
18.4292, 9.0028, 23.3515



0.7390, 0.3595, 1.0049

Previews

White Background



This preview shows how the XYZ color 22.0779, 18.3061, 49.3835 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 22.0779, 18.3061, 49.3835 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 22.0779, 18.3061, 49.3835

Background



This preview shows how black text looks on a background with the XYZ color 22.0779, 18.3061, 49.3835.

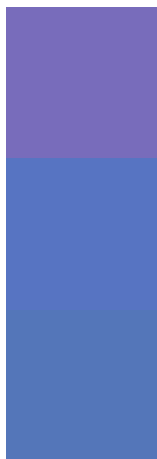


This preview shows how white text looks on a background with the XYZ color 22.0779, 18.3061,

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

22.0779, 18.3061, 49.3835

Protanopia

19.9135, 18.4121, 53.5433

Deuteranopia

18.8915, 18.3445, 48.4441



Tritanopia

16.8091, 18.1704, 23.7404

Trichromacy



Original Color

22.0779, 18.3061, 49.3835

Protanomaly

20.4547, 18.2245, 51.7298

Deuteranomaly

19.8100, 18.1212, 48.9080

Tritanomaly

18.5134, 18.1699, 31.8095

Monochromacy



Original Color

22.0779, 18.3061, 49.3835

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.2414, 18.6001, 29.3641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0779, 18.3061, 49.3835 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(120, 108, 187)` looks like.

```
.text, #text, p{  
    color:rgb(120, 108, 187)  
}
```

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(120, 108, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 108, 187) }
```

Border

The CSS property to change the border of an element to XYZ 22.0779, 18.3061, 49.3835 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(120, 108, 187) }
```


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

```
.border{ border-color:rgb(120, 108, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 108, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 108, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 108, 187);  
box-shadow:4px 4px 4px 4px rgb(120, 108,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0779, 18.3061, 49.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 108, 187) }
```

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

```
.background{ background-color: rgb(120,  
108, 187) }
```

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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