

Converting Colors

XYZ(22.4600, 18.4534, 55.4791)

Have a look what the booklet for
XYZ(22.4600, 18.4534, 55.4791)
contains.

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Color

**XYZ(22.4861, 18.5459,
55.2179)**

Conversions

Conversions Part 1

Format	Color
Hex	726DC5
RGB	114, 109, 197
RGB Percent	45%, 43%, 77%
CMY	0.5529, 0.5725, 0.2274
CMYK	0.42, 0.45, 0.00, 0.23
HSL	243°, 43%, 60%
HSV	243°, 45%, 77%
XYZ	22.4861, 18.5459, 55.2179
YIQ	120.5270, -25.2680, 28.4280

Conversions

Conversions Part 2

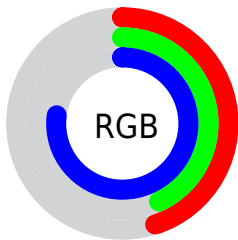
Format	Color
R_{YB}	114, 109, 197
Decimal	7499205
CIE _{Lab}	50.15, 24.10, -45.44
CIE _{LCh}	50, 51.434, 297.945
Yxy	18.5459, 0.2336, 0.1927
Android (android.graphics.Color)	4285689285 (0xFF726DC5)
YUV	120.5270, 37.7012, -5.7242
Hunter-Lab	43.0650, 17.8390, -45.8762

Details

The XYZ color **22.4861, 18.5459, 55.2179** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **44.4648, 52.2433, 22.2089**, and the grayscale version is **17.9107, 18.8434, 20.5205**.

A 20% lighter version of the original color is **46.9964, 41.0805, 99.2183**, and **8.4842, 6.3582, 26.7667** is the 20% darker color. If you saturate the color by 10%, you get **18.4391, 13.6820, 54.4927**, and if you desaturate by 10%, it is **27.4964, 24.6061, 56.1239**.

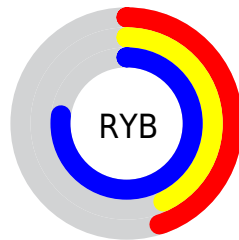
Distribution



Red (45%)

Green (43%)

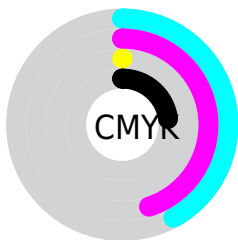
Blue (77%)



Red (45%)

Yellow (43%)

Blue (77%)

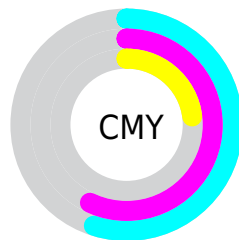


Cyan (42%)

Magenta (45%)

Yellow (0%)

Black (23%)



Cyan (55%)

Magenta (57%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4861, 18.5459, 55.2179 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 22.4861, 18.5459, 55.2179 by changing the saturation by 10% instead.

■ 22.4861, 18.5459,
55.2179

■ 22.4861, 18.5459,
55.2179

257.6593,
243.9303, 424.0426

■ 14.3331, 11.3426,
39.1764

■ 47.0210, 40.9654,
99.3345

■ 8.4360, 6.2978,
26.5881

■ 64.1336, 56.9503,
128.2467

■ 4.4293, 3.0270,
17.0344

■ 84.9635, 76.6313,
162.2862

■ 1.9478, 1.1458,
10.0968

■ 109.8760,
100.3927, 201.8716

■ 0.6044, 0.0168,
5.3568

139.2365,
128.6189, 247.4214

■ 0.0000, 0.0000,
2.3957

173.4103,

■ 0.0000, 0.0000,

161.6943, 299.3541

0.7841

212.7628,
200.0033, 358.0883

■ 0.0000, 0.0000,
0.0000

■ 22.4861, 18.5459,
55.2179

■ 22.4861, 18.5459,
55.2179

■ 18.4391, 13.6820,
54.4927

■ 27.4964, 24.6061,
56.1239

■ 15.2913, 9.9331,
53.9350

■ 33.5242, 31.9324,
57.2204

■ 12.9747, 7.2115,
53.5318

■ 40.6220, 40.5918,
58.5177

■ 11.4103, 5.4148,
53.2675

■ 48.8383, 50.6459,
60.0253

■ 10.5036, 4.4199,
53.1232

■ 58.2185, 62.1524,
61.7519

■ 10.2188, 4.1037,
53.0772

■ 68.8055, 75.1658,
63.7057

■ 80.6401, 89.7379,
65.8947

■ 87.0781, 96.8112,
66.9206

Harmonies

Analogous

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



17.2875, 18.5459, 61.6472



22.4861, 18.5459, 55.2179



27.0111, 18.5459, 38.4395

Triad

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



22.4861, 18.5459, 55.2179



23.1901, 18.5459, 4.7614



9.7096, 18.5459, 19.2295

Complementary

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



22.4861, 18.5459, 55.2179



44.4648, 52.2433, 22.2089

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.



10.7156, 18.5459, 8.8876



22.4861, 18.5459, 55.2179



17.9716, 18.5459, 3.3474

Square

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



22.4861, 18.5459, 55.2179



27.4682, 18.5459, 9.9058



13.5243, 18.5459, 4.3973



10.4720, 18.5459, 35.8919

Rectangle

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



22.4861, 18.5459, 55.2179



28.6984, 18.5459, 26.4531



13.5243, 18.5459, 4.3973



9.8475, 18.5459, 15.0083

Sweetspot

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



22.4868, 18.5466, 55.2184



74.7896, 75.1878, 105.1786



35.3668, 45.2462, 59.6931



15.3475, 15.2861, 22.3916



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.4868, 18.5466, 55.2184



32.9222, 24.3821, 97.5788



29.5300, 22.1774, 55.5480



10.1115, 10.3158, 13.3757



6.7449, 2.7114, 34.9122



0.3393, 0.1386, 1.6540

Inverse Universe

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



38.0093, 26.6138, 53.0022



64.4516, 40.7787, 92.6101



35.0486, 47.3891, 21.7683



11.0561, 10.8058, 13.2785



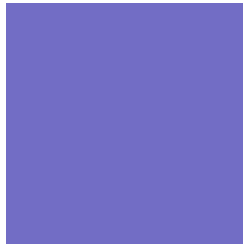
20.9716, 10.1382, 31.3902



1.0011, 0.4833, 1.5291

Previews

White Background



This preview shows how the XYZ color 22.4861, 18.5459, 55.2179 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 22.4861, 18.5459, 55.2179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

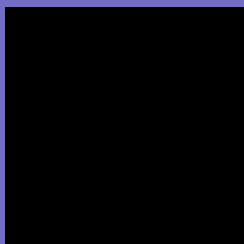
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4861, 18.5459, 55.2179

Background



This preview shows how black text looks on a background with the XYZ color 22.4861, 18.5459, 55.2179.



This preview shows how white text looks on a background with the XYZ color 22.4861, 18.5459,

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

22.4861, 18.5459, 55.2179

Protanopia

20.5378, 18.5997, 59.6344

Deuteranopia

19.2393, 18.7508, 54.2350



Tritanopia

16.3536, 18.4560, 24.8907

Trichromacy



Original Color

22.4861, 18.5459, 55.2179

Protanomaly

20.9619, 18.3545, 57.6963

Deuteranomaly

20.1397, 18.5025, 54.7344

Tritanomaly

18.1881, 18.3002, 34.0262

Monochromacy



Original Color

22.4861, 18.5459, 55.2179

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.2573, 18.7441, 31.0368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4861, 18.5459, 55.2179 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(114, 109, 197)` looks like.

```
.text, #text, p{  
    color:rgb(114, 109, 197)  
}
```

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(114, 109, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 109, 197) }
```

Border

The CSS property to change the border of an element to XYZ 22.4861, 18.5459, 55.2179 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(114, 109, 197) }
```


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

```
.border{ border-color:rgb(114, 109, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 109, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 109, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 109, 197);  
box-shadow:4px 4px 4px 4px rgb(114, 109,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4861, 18.5459, 55.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 109, 197) }
```

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

```
.background{ background-color: rgb(114,  
109, 197) }
```

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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