

Converting Colors

XYZ(22.8920, 18.9504, 62.4314)

Have a look what the booklet for
XYZ(22.8920, 18.9504, 62.4314)
contains.

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Color

**XYZ(22.7785, 18.8660,
62.1155)**

Conversions

Conversions Part 1

Format	Color
Hex	686FD0
RGB	104, 111, 208
RGB Percent	41%, 44%, 82%
CMY	0.5921, 0.5647, 0.1843
CMYK	0.50, 0.47, 0.00, 0.18
HSL	236°, 53%, 61%
HSV	236°, 50%, 82%
XYZ	22.7785, 18.8660, 62.1155
YIQ	119.9650, -35.3090, 28.6830

Conversions

Conversions Part 2

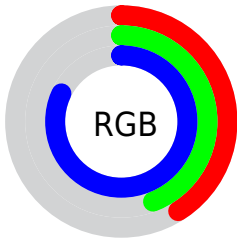
Format	Color
RYB	104, 111, 208
Decimal	6844368
CIELab	50.53, 23.81, -51.17
CIElCh	51, 56.434, 294.952
Yxy	18.8660, 0.2195, 0.1818
Android (android.graphics.Color)	4285034448 (0xFF686FD0)
YUV	119.9650, 43.4013, -14.0013
Hunter-Lab	43.4350, 17.5990, -54.3849

Details

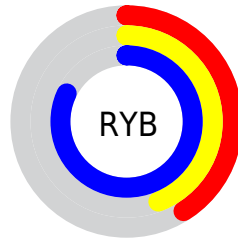
The XYZ color **22.7785, 18.8660, 62.1155** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **49.3990, 56.1845, 21.3390**, and the grayscale version is **17.7159, 18.6385, 20.2974**.

A 20% lighter version of the original color is **45.8451, 40.9915, 100.1036**, and **8.6219, 6.5022, 30.9376** is the 20% darker color. If you saturate the color by 10%, you get **18.7633, 13.9877, 61.3859**, and if you desaturate by 10%, it is **27.8504, 24.9718, 63.0271**.

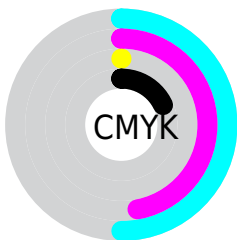
Distribution



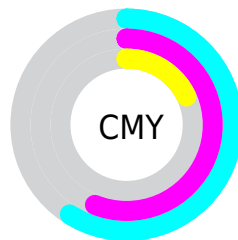
- Red (41%)
- Green (44%)
- Blue (82%)



- Red (41%)
- Yellow (44%)
- Blue (82%)



- Cyan (50%)
- Magenta (47%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (56%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7785, 18.8660, 62.1155 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 22.7785, 18.8660, 62.1155 by changing the saturation by 10% instead.

■ 22.7785, 18.8660,
62.1155

■ 22.7785, 18.8660,
62.1155

259.1419,
245.7080, 450.3715

■ 14.5498, 11.5735,
44.6896

■ 47.4987, 41.5075,
109.4657

■ 8.5883, 6.4540,
30.8719

■ 64.7210, 57.6254,
140.2270

■ 4.5286, 3.1230,
20.2437

■ 85.6718, 77.4538,
176.2707

■ 2.0053, 1.1963,
12.3864

■ 110.7165,
101.3771, 218.0151

■ 0.6369, 0.0587,
6.8817

140.2206,
129.7798, 265.8789

■ 0.0000, 0.0000,
3.3109

174.5492,

■ 0.0000, 0.0000,

163.0463, 320.2805

1.2555

214.0679,
201.5609, 381.6385

■ 0.0000, 0.0000,
0.0249

■ 0.0000, 0.0000,
0.0000

■ 22.7785, 18.8660,
62.1155

■ 22.7785, 18.8660,
62.1155

■ 18.7633, 13.9877,
61.3859

■ 27.8504, 24.9718,
63.0271

■ 15.7276, 10.2520,
60.8249

■ 34.0440, 32.3787,
64.1304

■ 13.5880, 7.5660,
60.4192

■ 41.4219, 41.1565,
65.4358

■ 12.2454, 5.8214,
60.1532

■ 50.0414, 51.3697,
66.9528

■ 11.5423, 4.8682,
60.0063

■ 59.9560, 63.0786,
68.6903

■ 11.5422, 4.8680,
60.0062

■ 71.2161, 76.3400,
70.6566

■ 83.8695, 91.2079,
72.8594

■ 88.3853, 97.3341,
73.8039

Harmonies

Analogous

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



17.0161, 18.8660, 67.9614



22.7785, 18.8660, 62.1155



28.0696, 18.8660, 43.3352

Triad

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



22.7785, 18.8660, 62.1155



24.7239, 18.8660, 4.3759



9.3184, 18.8660, 17.9878

Complementary

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



22.7785, 18.8660, 62.1155



49.3990, 56.1845, 21.3390

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.



10.5861, 18.8660, 7.5867



22.7785, 18.8660, 62.1155



18.8793, 18.8660, 2.7237

Square

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



22.7785, 18.8660, 62.1155



29.3443, 18.8660, 10.2227



13.8261, 18.8660, 3.4916



9.9440, 18.8660, 36.1701

Rectangle

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



22.7785, 18.8660, 62.1155



30.2209, 18.8660, 29.4619



13.8261, 18.8660, 3.4916



9.5280, 18.8660, 13.6328

Sweetspot

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



22.7793, 18.8666, 62.1160



72.0070, 72.7655, 104.8577



38.6132, 52.1945, 62.2760



14.8002, 14.8489, 22.3360



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.



22.7793, 18.8666, 62.1160



29.3562, 21.6982, 97.2487



28.4290, 20.6898, 62.1701



11.2266, 11.5436, 14.8801



7.2193, 3.0852, 37.4075



0.4266, 0.2183, 2.0992

Inverse Universe

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



33.8327, 24.4592, 17.9773



48.9324, 31.9392, 19.0011



40.5032, 54.0755, 21.4008



11.8405, 11.8210, 12.4361



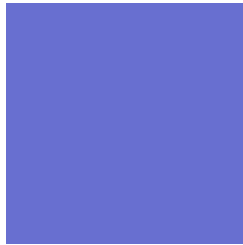
16.2747, 8.3827, 1.0868



0.9215, 0.4733, 0.1216

Previews

White Background



This preview shows how the XYZ color 22.7785, 18.8660, 62.1155 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 22.7785, 18.8660, 62.1155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

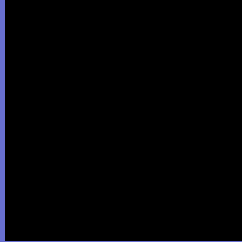
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7785, 18.8660, 62.1155

Background



This preview shows how black text looks on a background with the XYZ color 22.7785, 18.8660, 62.1155.



This preview shows how white text looks on a background with the XYZ color 22.7785, 18.8660,

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

22.7785, 18.8660, 62.1155

Protanopia

21.3229, 19.0335, 66.1683

Deuteranopia

19.5535, 18.9432, 61.0183



Tritanopia

15.5844, 18.7787, 26.4702

Trichromacy



Original Color

22.7785, 18.8660, 62.1155

Protanomaly

21.7607, 18.9462, 64.7974

Deuteranomaly

20.3714, 18.6440, 61.5565

Tritanomaly

17.6647, 18.4927, 37.2888

Monochromacy



Original Color

22.7785, 18.8660, 62.1155

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.9682, 18.5670, 32.2898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7785, 18.8660, 62.1155 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(104, 111, 208)` looks like.

```
.text, #text, p{  
    color:rgb(104, 111, 208)  
}
```

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(104, 111, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 111, 208) }
```

Border

The CSS property to change the border of an element to XYZ 22.7785, 18.8660, 62.1155 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(104, 111, 208) }
```


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

```
.border{ border-color:rgb(104, 111, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 111, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 111, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 111, 208);  
box-shadow:4px 4px 4px 4px rgb(104, 111,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7785, 18.8660, 62.1155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 111, 208) }
```

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

```
.background{ background-color: rgb(104,  
111, 208) }
```

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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