

Converting Colors

XYZ(22.6730, 18.8835, 71.0275)

Have a look what the booklet for
XYZ(22.6730, 18.8835, 71.0275)
contains.

XYZ(22.7026, 18.9620, 70.8701)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.7026, 18.9620,
70.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	5571DD
RGB	85, 113, 221
RGB Percent	33%, 44%, 87%
CMY	0.6666, 0.5569, 0.1333
CMYK	0.62, 0.49, 0.00, 0.13
HSL	228°, 67%, 60%
HSV	228°, 62%, 87%
XYZ	22.7026, 18.9620, 70.8701
YIQ	116.9400, -51.3560, 27.6520

Conversions

Conversions Part 2

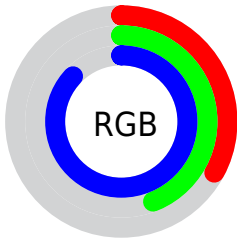
Format	Color
R _Y B	85, 108, 221
Decimal	5599709
CIE Lab	50.64, 22.98, -58.43
CIE LCh	51, 62.780, 291.467
Yxy	18.9620, 0.2017, 0.1685
Android (android.graphics.Color)	4283789789 (0xFF5571DD)
YUV	116.9400, 51.3016, -28.0114
Hunter-Lab	43.5454, 16.8575, -66.0127

Details

The XYZ color **22.7026, 18.9620, 70.8701** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **50.5306, 54.1714, 16.3888**, and the grayscale version is **16.7486, 17.6208, 19.1890**.

A 20% lighter version of the original color is **43.1795, 39.8819, 100.0299**, and **8.7397, 6.6130, 36.4131** is the 20% darker color. If you saturate the color by 10%, you get **19.2281, 14.5399, 70.2001**, and if you desaturate by 10%, it is **27.1838, 24.4654, 71.6966**.

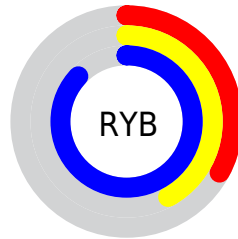
Distribution



Red (33%)

Green (44%)

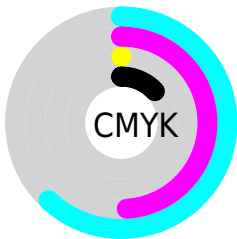
Blue (87%)



Red (33%)

Yellow (42%)

Blue (87%)

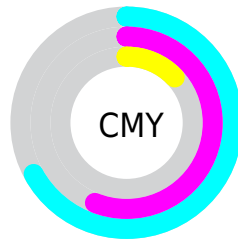


Cyan (62%)

Magenta (49%)

Yellow (0%)

Black (13%)



Cyan (67%)

Magenta (56%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7026, 18.9620, 70.8701 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 22.7026, 18.9620, 70.8701 by changing the saturation by 10% instead.

■ 22.7026, 18.9620,
70.8701

■ 22.7026, 18.9620,
70.8701

258.7577,
246.2389, 482.4706

■ 14.4935, 11.6428,
51.7550

■ 47.3748, 41.6699,
122.1415

■ 8.5487, 6.5010,
36.4289

■ 64.5686, 57.8274,
155.1348

■ 4.5028, 3.1520,
24.4733

■ 85.4881, 77.6998,
193.5914

■ 1.9903, 1.2116,
15.4697

■ 110.4986,
101.6714, 237.9296

■ 0.6285, 0.0712,
8.9994

139.9655,
130.1268, 288.5681

■ 0.0000, 0.0000,
4.6440

174.2541,

■ 0.0000, 0.0000,

163.4502, 345.9255

1.9849

213.7297,
202.0261, 410.4201

■ 0.0000, 0.0000,
0.5460

■ 0.0000, 0.0000,
0.0000

■ 22.7026, 18.9620,
70.8701

■ 22.7026, 18.9620,
70.8701

■ 19.2281, 14.5399,
70.2001

■ 27.1838, 24.4654,
71.6966

■ 16.6752, 11.1224,
69.6750

■ 32.7421, 31.1159,
72.6873

■ 14.9483, 8.6243,
69.2839

■ 39.4442, 38.9759,
73.8512

■ 14.0085, 7.1350,
69.0459

■ 47.3508, 48.1027,
75.1961

■ 56.5180, 58.5497,
76.7295

■ 66.9984, 70.3673,
78.4581

■ 78.8417, 83.6034,
80.3887

■ 89.5455, 96.9890,
82.4083

■ 90.0512, 98.0005,
82.5768

Harmonies

Analogous

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



16.3258, 18.9620, 75.4557



22.7026, 18.9620, 70.8701



28.9371, 18.9620, 49.7192

Triad

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



22.7026, 18.9620, 70.8701



26.4320, 18.9620, 3.8759



8.6805, 18.9620, 16.0212

Complementary

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



22.7026, 18.9620, 70.8701



50.5306, 54.1714, 16.3888

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.



10.2693, 18.9620, 5.9256



22.7026, 18.9620, 70.8701



19.8336, 18.9620, 2.0052

Square

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



22.7026, 18.9620, 70.8701



31.4083, 18.9620, 10.5725



14.0348, 18.9620, 2.4517



9.1108, 18.9620, 35.6736

Rectangle

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



22.7026, 18.9620, 70.8701



31.7090, 18.9620, 33.3792



14.0348, 18.9620, 2.4517



8.9801, 18.9620, 11.6497

Sweetspot

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



22.7034, 18.9626, 70.8706



69.5866, 71.2175, 104.6865



39.0666, 57.4301, 58.6258



14.1328, 14.3723, 22.2792



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.



22.7034, 18.9626, 70.8706



25.3832, 18.5209, 96.8448



24.5460, 15.9695, 70.1958



12.5547, 13.0492, 16.5092



8.2032, 4.2759, 40.1314



0.5937, 0.4016, 2.6207

Inverse Universe

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



36.0488, 23.0627, 18.1746



45.7629, 26.2144, 16.0510



46.8990, 62.3716, 18.1630



13.1651, 13.0951, 14.1308



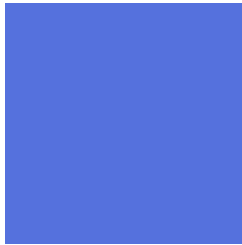
17.6359, 9.0554, 2.4630



1.1740, 0.5992, 0.3251

Previews

White Background



This preview shows how the XYZ color 22.7026, 18.9620, 70.8701 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 22.7026, 18.9620, 70.8701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

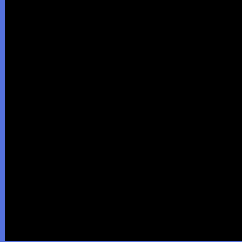
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7026, 18.9620, 70.8701

Background



This preview shows how black text looks on a background with the XYZ color 22.7026, 18.9620, 70.8701.



This preview shows how white text looks on a background with the XYZ color 22.7026, 18.9620,

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

22.7026, 18.9620, 70.8701

Protanopia

21.8859, 18.9838, 73.7449

Deuteranopia

19.3542, 18.8769, 67.5893



Tritanopia

14.2605, 19.0364, 28.5140

Trichromacy



Original Color

22.7026, 18.9620, 70.8701

Protanomaly

22.1838, 18.9829, 73.0159

Deuteranomaly

19.8168, 18.5469, 68.8651

Tritanomaly

16.5478, 18.5682, 41.2399

Monochromacy



Original Color

22.7026, 18.9620, 70.8701

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.9875, 17.8606, 33.5097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7026, 18.9620, 70.8701 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(85, 113, 221)` looks like.

```
.text, #text, p{  
    color:rgb(85, 113, 221)  
}
```

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(85, 113, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 113, 221) }
```

Border

The CSS property to change the border of an element to XYZ 22.7026, 18.9620, 70.8701 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(85, 113, 221) }
```


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

```
.border{ border-color:rgb(85, 113, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 113, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 113, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 113, 221);  
box-shadow:4px 4px 4px 4px rgb(85, 113,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7026, 18.9620, 70.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 113, 221) }
```

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

```
.background{ background-color: rgb(85, 113,  
221) }
```

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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