

Converting Colors

XYZ(21.6827, 15.9557, 70.9980)

Have a look what the booklet for
XYZ(21.6827, 15.9557, 70.9980)
contains.

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Color

**XYZ(21.6760, 15.9970,
71.0525)**

Conversions

Conversions Part 1

Format	Color
Hex	5A61DE
RGB	90, 97, 222
RGB Percent	35%, 38%, 87%
CMY	0.6470, 0.6196, 0.1294
CMYK	0.59, 0.56, 0.00, 0.13
HSL	237°, 67%, 61%
HSV	237°, 59%, 87%
XYZ	21.6760, 15.9970, 71.0525
YIQ	109.1570, -44.2970, 37.3910

Conversions

Conversions Part 2

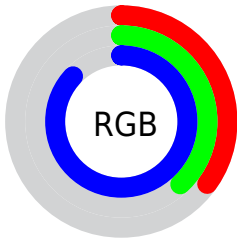
Format	Color
RYB	90, 97, 222
Decimal	5923294
CIELab	46.97, 34.06, -64.90
CIELCh	47, 73.297, 297.686
Yxy	15.9970, 0.1994, 0.1471
Android (android.graphics.Color)	4284113374 (0xFF5A61DE)
YUV	109.1570, 55.6316, -16.8007
Hunter-Lab	39.9962, 26.7448, -77.3301

Details

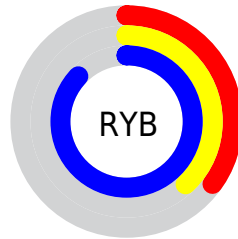
The XYZ color **21.6760, 15.9970, 71.0525** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **56.2724, 64.8726, 19.2303**, and the grayscale version is **14.4373, 15.1892, 16.5410**.

A 20% lighter version of the original color is **41.4024, 34.9791, 99.1772**, and **8.0668, 5.1208, 36.6396** is the 20% darker color. If you saturate the color by 10%, you get **18.1382, 11.6616, 70.4025**, and if you desaturate by 10%, it is **26.3747, 21.6949, 71.9050**.

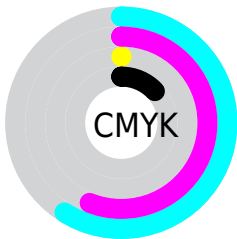
Distribution



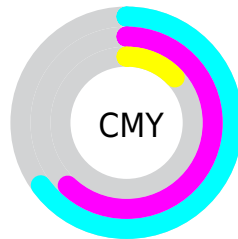
- Red (35%)
- Green (38%)
- Blue (87%)



- Red (35%)
- Yellow (38%)
- Blue (87%)



- Cyan (59%)
- Magenta (56%)
- Yellow (0%)
- Black (13%)



- Cyan (65%)
- Magenta (62%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6760, 15.9970, 71.0525 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 21.6760, 15.9970, 71.0525 by changing the saturation by 10% instead.

■ 21.6760, 15.9970,
71.0525

■ 21.6760, 15.9970,
71.0525

253.5139,
229.3240, 483.1255

■ 13.7343, 9.5220,
51.9029

■ 45.6928, 36.5930,
122.4036

■ 8.0166, 5.0832,
36.5460

■ 62.4985, 51.4828,
155.4423

■ 4.1574, 2.2962,
24.5632

■ 82.9897, 69.9464,
193.9477

■ 1.7916, 0.7717,
15.5358

■ 107.5316, 92.3681,
238.3385

■ 0.5126, 0.0000,
9.0455

136.4896,
119.1323, 289.0331

■ 0.0000, 0.0000,
4.6737

170.2291,

■ 0.0000, 0.0000,

150.6234, 346.4501

2.0017

209.1154,
187.2259, 411.0081

■ 0.0000, 0.0000,
0.5563

■ 0.0000, 0.0000,
0.0000

■ 21.6760, 15.9970,
71.0525

■ 21.6760, 15.9970,
71.0525

■ 18.1382, 11.6616,
70.4025

■ 26.3747, 21.6949,
71.9050

■ 15.6579, 8.5736,
69.9372

■ 32.3211, 28.8550,
72.9737

■ 14.1176, 6.6010,
69.6376

■ 39.5963, 37.5692,
74.2722

■ 13.3427, 5.5672,
69.4789

■ 48.2742, 47.9215,
75.8131

■ 13.3135, 5.5312,
69.4735

■ 58.4229, 59.9898,
77.6076

■ 70.1064, 73.8470,
79.6665

■ 83.3845, 89.5620,
82.0000

■ 90.1849, 98.0540,
83.2807

Harmonies

Analogous

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



14.7128, 15.9970, 81.7904



21.6760, 15.9970, 71.0525



28.1715, 15.9970, 43.9000

Triad

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



21.6760, 15.9970, 71.0525



22.7855, 15.9970, 1.3795



5.9191, 15.9970, 16.0322

Complementary

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



21.6760, 15.9970, 71.0525



56.2724, 64.8726, 19.2303

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.



6.9896, 15.9970, 4.5471



21.6760, 15.9970, 71.0525



15.7074, 15.9970, 0.5416

Square

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



21.6760, 15.9970, 71.0525



28.9284, 15.9970, 5.6310



10.1695, 15.9970, 1.1331



6.6975, 15.9970, 39.4878

Rectangle

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



21.6760, 15.9970, 71.0525



30.6934, 15.9970, 26.0767



10.1695, 15.9970, 1.1331



6.0661, 15.9970, 10.9258

Sweetspot

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



21.6768, 15.9975, 71.0529



67.7994, 67.6432, 104.0908



42.3743, 59.2312, 72.2840



13.7058, 13.5184, 22.1369



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.



21.6768, 15.9975, 71.0529



24.0051, 14.9437, 96.2270



28.9110, 18.8095, 71.2144



13.0100, 13.3592, 17.2806



7.9327, 3.3350, 41.2740



0.5707, 0.2729, 2.8678

Inverse Universe

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



35.9388, 23.7063, 13.9910



45.2678, 26.7838, 11.0778



43.4434, 60.9594, 19.1511



13.7365, 13.7122, 14.3827



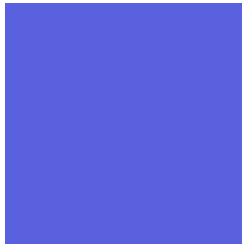
17.9443, 9.2447, 1.1063



1.2543, 0.6450, 0.1321

Previews

White Background



This preview shows how the XYZ color 21.6760, 15.9970, 71.0525 looks on a white background.

Color Contrast Check

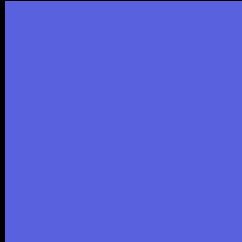
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6760, 15.9970, 71.0525 looks on a black 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

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

XYZ 21.6760, 15.9970, 71.0525

Background



This preview shows how black text looks on a background with the XYZ color 21.6760, 15.9970, 71.0525.

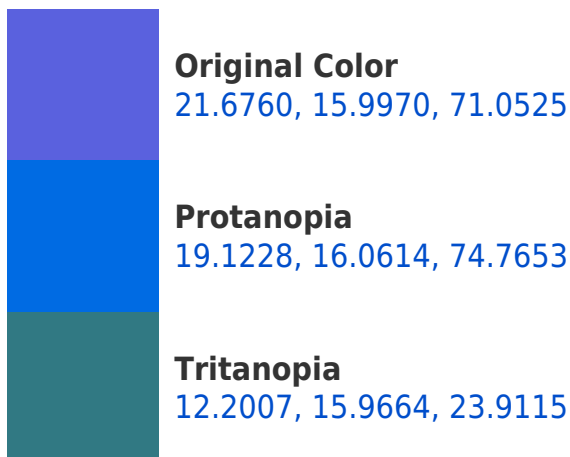


This preview shows how white text looks on a background with the XYZ color 21.6760, 15.9970,

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



Trichromacy



Original Color

21.6760, 15.9970, 71.0525

Protanomaly

19.0681, 15.4601, 73.2133

Tritanomaly

14.6094, 15.3587, 37.3165

Monochromacy



Original Color

21.6760, 15.9970, 71.0525

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.0361, 15.1299, 30.9293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6760, 15.9970, 71.0525 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(90, 97, 222)` looks like.

```
.text, #text, p{  
    color:rgb(90, 97, 222)  
}
```

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(90, 97, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 97, 222) }
```

Border

The CSS property to change the border of an element to XYZ 21.6760, 15.9970, 71.0525 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(90, 97, 222) }
```

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

```
.border{ border-color:rgb(90, 97, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 97, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 97, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 97, 222);  
box-shadow:4px 4px 4px 4px rgb(90, 97,  
222) }
```


Background

The CSS property to change the background color of an element to XYZ 21.6760, 15.9970, 71.0525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 97, 222) }
```

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

```
.background{ background-color: rgb(90, 97,  
222) }
```

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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