

Converting Colors

XYZ(21.5676, 10.5837, 71.4053)

Have a look what the booklet for
XYZ(21.5676, 10.5837, 71.4053)
contains.

XYZ(21.6189, 10.6196, 71.4314)	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(21.6189, 10.6196,
71.4314)**

Conversions

Conversions Part 1

Format	Color
Hex	7626E0
RGB	118, 38, 224
RGB Percent	46%, 15%, 88%
CMY	0.5372, 0.8510, 0.1216
CMYK	0.47, 0.83, 0.00, 0.12
HSL	266°, 75%, 51%
HSV	266°, 83%, 88%
XYZ	21.6189, 10.6196, 71.4314
YIQ	83.1240, -12.0260, 74.8060

Conversions

Conversions Part 2

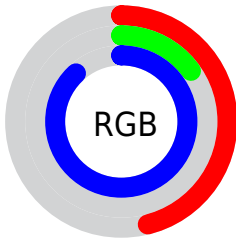
Format	Color
R _Y B	118, 38, 224
Decimal	7743200
CIE Lab	38.93, 68.44, -79.07
CIE LCh	39, 104.574, 310.876
Yxy	10.6196, 0.2085, 0.1024
Android (android.graphics.Color)	4285933280 (0xFF7626E0)
YUV	83.1240, 69.4519, 30.5863
Hunter-Lab	32.5877, 61.3895, -107.1506

Details

The XYZ color **21.6189, 10.6196, 71.4314** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **38.5061, 59.3802, 11.2656**, and the grayscale version is **8.1126, 8.5351, 9.2947**.

A 20% lighter version of the original color is **40.7326, 24.9881, 97.2841**, and **8.3403, 3.4938, 36.7940** is the 20% darker color. If you saturate the color by 10%, you get **19.4879, 8.7585, 71.1848**, and if you desaturate by 10%, it is **24.4159, 13.4624, 71.8330**.

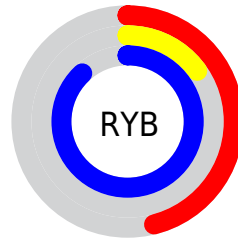
Distribution



Red (46%)

Green (15%)

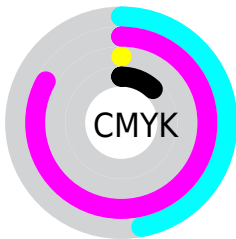
Blue (88%)



Red (46%)

Yellow (15%)

Blue (88%)

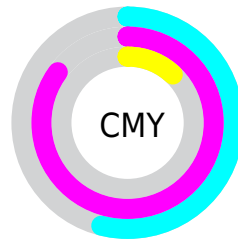


Cyan (47%)

Magenta (83%)

Yellow (0%)

Black (12%)



Cyan (54%)

Magenta (85%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6189, 10.6196, 71.4314 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 21.6189, 10.6196, 71.4314 by changing the saturation by 10% instead.

21.6189, 10.6196,
71.4314

21.6189, 10.6196,
71.4314

253.2195,
195.0388, 484.4843

13.6922, 5.8117,
52.2103

45.5989, 26.9546,
122.9480

7.9871, 2.7309,
36.7894

62.3828, 39.2504,
156.0806

4.1385, 0.9929,
24.7499

82.8499, 54.8110,
194.6874

1.7808, 0.0000,
15.6735

107.3654, 74.0207,
239.1870

0.5060, 0.0000,
9.1416

136.2948, 97.2639,
289.9980

0.0000, 0.0000,
4.7356

170.0034,

0.0000, 0.0000,

124.9251, 347.5388

2.0370

208.8565,
157.3886, 412.2281

■ 0.0000, 0.0000,
0.5779

■ 0.0000, 0.0000,
0.0000

■ 21.6189, 10.6196,
71.4314

■ 21.6189, 10.6196,
71.4314

■ 19.4879, 8.7585,
71.1848

■ 24.4159, 13.4624,
71.8330

■ 18.3155, 7.8877,
71.0785

■ 27.9530, 17.4251,
72.4114

■ 32.2948, 22.6234,
73.1860

■ 37.4976, 29.1579,
74.1730

■ 43.6119, 37.1185,
75.3873

■ 50.6842, 46.5871,
76.8422

■ 58.7573, 57.6392,
78.5500

■ 67.8716, 70.3452,
80.5221

■ 78.0649, 84.7711,
82.7693

Harmonies

Analogous

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



12.8330, 10.6196, 104.7020



21.6189, 10.6196, 71.4314



28.7352, 10.6196, 29.1978

Triad

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



21.6189, 10.6196, 71.4314



15.1397, 10.6196, 0.0000



1.8329, 10.6196, 20.3995

Complementary

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



21.6189, 10.6196, 71.4314



38.5061, 59.3802, 11.2656

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.



1.9972, 10.6196, 3.0065



21.6189, 10.6196, 71.4314



7.7747, 10.6196, 0.0000

Square

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



21.6189, 10.6196, 71.4314



23.9589, 10.6196, 0.0000



3.6275, 10.6196, 0.0000



2.9824, 10.6196, 59.1015

Rectangle

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



21.6189, 10.6196, 71.4314



30.2402, 10.6196, 10.9875



3.6275, 10.6196, 0.0000



1.7574, 10.6196, 12.1581

Sweetspot

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



21.6196, 10.6199, 71.4317



65.8500, 59.5999, 102.6410



24.6100, 26.5060, 74.3404



13.3653, 11.7778, 21.8189



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.



21.6196, 10.6199, 71.4317



24.4413, 10.5148, 95.3491



40.3010, 20.2505, 72.3060



13.5084, 13.5301, 17.2873



10.7869, 4.6561, 41.3786



0.8487, 0.3748, 2.8729

Inverse Universe

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



36.4673, 19.2469, 28.1761



46.3752, 23.3141, 28.9713



28.5002, 54.2220, 10.7974



14.0329, 13.8308, 15.9433



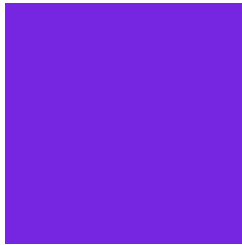
20.2064, 10.1496, 13.0186



1.4452, 0.7214, 1.1374

Previews

White Background



This preview shows how the XYZ color 21.6189, 10.6196, 71.4314 looks on a white background.

Color Contrast Check

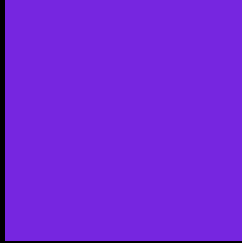
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6189, 10.6196, 71.4314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

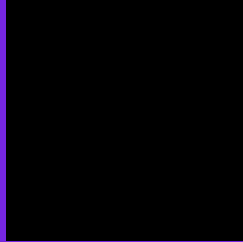
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6189, 10.6196, 71.4314

Background



This preview shows how black text looks on a background with the XYZ color 21.6189, 10.6196, 71.4314.



This preview shows how white text looks on a background with the XYZ color 21.6189, 10.6196,

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

21.6189, 10.6196, 71.4314

Protanopia

12.5420, 10.7326, 48.4243

Deuteranopia

10.3479, 10.5435, 34.7474



Tritanopia

10.0524, 10.7272, 13.5973

Trichromacy



Original Color

21.6189, 10.6196, 71.4314



Protanomaly

13.6117, 9.0640, 55.6757



Deuteranomaly

11.9923, 8.8300, 45.8721



Tritanomaly

12.5304, 9.4061, 27.9432

Monochromacy



Original Color

21.6189, 10.6196, 71.4314



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

11.1341, 8.2223, 23.5545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6189, 10.6196, 71.4314 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(118, 38, 224)` looks like.

```
.text, #text, p{  
    color:rgb(118, 38, 224)  
}
```

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(118, 38, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 38, 224) }
```

Border

The CSS property to change the border of an element to XYZ 21.6189, 10.6196, 71.4314 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(118, 38, 224) }
```


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

```
.border{ border-color:rgb(118, 38, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 38, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 38, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 38, 224);  
box-shadow:4px 4px 4px 4px rgb(118, 38,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6189, 10.6196, 71.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 38, 224) }
```

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

```
.background{ background-color: rgb(118, 38,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor