

Converting Colors

XYZ(19.8724, 10.8079, 69.8427)

Have a look what the booklet for
XYZ(19.8724, 10.8079, 69.8427)
contains.

XYZ(19.9658, 10.8690, 70.1528)	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>	30

Color

**XYZ(19.9658, 10.8690,
70.1528)**

Conversions

Conversions Part 1

Format	Color
Hex	6538DE
RGB	101, 56, 222
RGB Percent	40%, 22%, 87%
CMY	0.6039, 0.7804, 0.1294
CMYK	0.55, 0.75, 0.00, 0.13
HSL	256°, 72%, 55%
HSV	256°, 75%, 87%
XYZ	19.9658, 10.8690, 70.1528
YIQ	88.3790, -26.4660, 61.1660

Conversions

Conversions Part 2

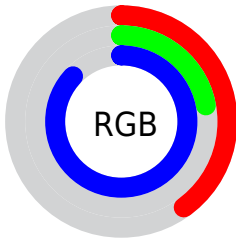
Format	Color
R_{YB}	101, 56, 222
Decimal	6633694
CIE _{Lab}	39.36, 58.61, -77.29
CIE _{LCh}	39, 97.001, 307.172
Yxy	10.8690, 0.1977, 0.1076
Android (android.graphics.Color)	4284823774 (0xFF6538DE)
YUV	88.3790, 65.8752, 11.0686
Hunter-Lab	32.9682, 50.4068, -103.0852

Details

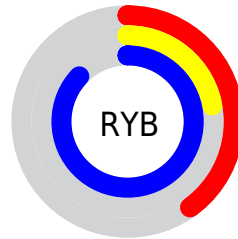
The XYZ color **19.9658, 10.8690, 70.1528** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **44.9653, 61.8747, 13.3144**, and the grayscale version is **9.2237, 9.7040, 10.5677**.

A 20% lighter version of the original color is **38.3129, 25.6265, 97.5348**, and **7.1449, 2.8988, 35.7803** is the 20% darker color. If you saturate the color by 10%, you get **17.4816, 8.3297, 69.7939**, and if you desaturate by 10%, it is **23.2847, 14.5460, 70.6879**.

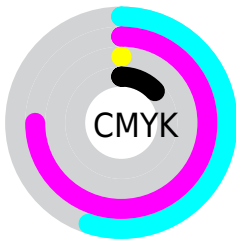
Distribution



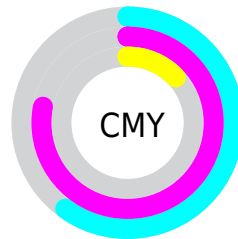
- Red (40%)
- Green (22%)
- Blue (87%)



- Red (40%)
- Yellow (22%)
- Blue (87%)



- Cyan (55%)
- Magenta (75%)
- Yellow (0%)
- Black (13%)



- Cyan (60%)
- Magenta (78%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9658, 10.8690, 70.1528 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 19.9658, 10.8690, 70.1528 by changing the saturation by 10% instead.

■ 19.9658, 10.8690,
70.1528

■ 19.9658, 10.8690,
70.1528

244.5670,
196.7666, 479.8899

■ 12.4783, 5.9788,
51.1735

■ 42.8642, 27.4177,
121.1098

■ 7.1448, 2.8322,
35.9691

■ 59.0059, 39.8449,
153.9246

■ 3.6000, 1.0448,
24.1208

■ 78.7629, 55.5534,
192.1883

■ 1.4784, 0.0000,
15.2102

■ 102.5007, 74.9273,
236.3196

■ 0.3111, 0.0000,
8.8188

■ 130.5847, 98.3513,
286.7368

■ 0.0000, 0.0000,
4.5280

■ 163.3802,

■ 0.0000, 0.0000,

126.2095, 343.8586

1.9192

201.2525,
158.8865, 408.1034

■ 0.0000, 0.0000,
0.5049

■ 0.0000, 0.0000,
0.0000

■ 19.9658, 10.8690,
70.1528

■ 19.9658, 10.8690,
70.1528

■ 17.4816, 8.3297,
69.7939

■ 23.2847, 14.5460,
70.6879

■ 15.7405, 6.7795,
69.5864

■ 27.5115, 19.4817,
71.4178

■ 15.0598, 6.2405,
69.5183

■ 32.7131, 25.7820,
72.3597

■ 38.9490, 33.5414,
73.5288

46.2740, 42.8455,
74.9386

54.7385, 53.7734,
76.6018

64.3901, 66.3987,
78.5300

75.2732, 80.7903,
80.7342

87.1744, 96.5020,
83.1396

Harmonies

Analogous

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



11.9848, 10.8690, 95.8652



19.9658, 10.8690, 70.1528



26.8367, 10.8690, 32.0777

Triad

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



19.9658, 10.8690, 70.1528



16.0299, 10.8690, 0.0000



2.1944, 10.8690, 16.9351

Complementary

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



19.9658, 10.8690, 70.1528



44.9653, 61.8747, 13.3144

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.



2.5261, 10.8690, 2.6300



19.9658, 10.8690, 70.1528



8.8362, 10.8690, 0.0000

Square

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



19.9658, 10.8690, 70.1528



23.9726, 10.8690, 0.6468



4.4350, 10.8690, 0.0000



3.1924, 10.8690, 49.7628

Rectangle

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



19.9658, 10.8690, 70.1528



28.7147, 10.8690, 13.7054



4.4350, 10.8690, 0.0000



2.1649, 10.8690, 10.1421

Sweetspot

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



19.9665, 10.8693, 70.1531



66.2140, 62.3335, 103.1495



30.6831, 37.8495, 74.7960



13.5297, 12.5167, 21.9528



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.



19.9665, 10.8693, 70.1531



22.4066, 9.9980, 95.3566



34.1910, 18.2023, 70.8188



13.2990, 13.4222, 17.2775



9.0365, 3.7538, 41.2966



0.7108, 0.3037, 2.8664

Inverse Universe

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



39.4737, 21.5320, 43.6676



51.1993, 25.8172, 52.6071



31.5268, 54.9469, 12.6855



14.1281, 13.8689, 16.4450



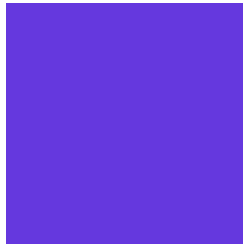
21.8057, 10.7893, 21.4405



1.5483, 0.7626, 1.6803

Previews

White Background



This preview shows how the XYZ color 19.9658, 10.8690, 70.1528 looks on a white background.

Color Contrast Check

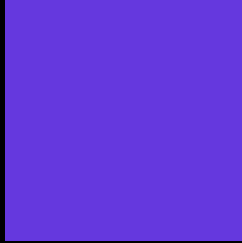
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9658, 10.8690, 70.1528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

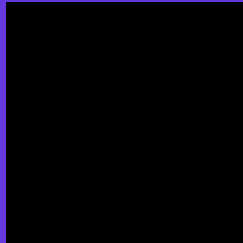
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9658, 10.8690, 70.1528

Background



This preview shows how black text looks on a background with the XYZ color 19.9658, 10.8690, 70.1528.



This preview shows how white text looks on a background with the XYZ color 19.9658, 10.8690,

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

19.9658, 10.8690, 70.1528

Protanopia

12.6495, 10.7756, 48.9902

Tritanopia

8.8937, 10.7681, 15.2454

Trichromacy



Original Color

19.9658, 10.8690, 70.1528



Protanomaly

13.8422, 9.8712, 55.8194



Tritanomaly

11.4190, 9.8611, 29.3185

Monochromacy



Original Color

19.9658, 10.8690, 70.1528



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

11.6140, 9.3022, 24.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9658, 10.8690, 70.1528 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(101, 56, 222)` looks like.

```
.text, #text, p{  
    color:rgb(101, 56, 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(101, 56, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 56, 222) }
```

Border

The CSS property to change the border of an element to XYZ 19.9658, 10.8690, 70.1528 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(101, 56, 222) }
```

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

```
.border{ border-color:rgb(101, 56, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 56, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 56, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 56, 222);  
box-shadow:4px 4px 4px 4px rgb(101, 56,  
222) }
```


Background

The CSS property to change the background color of an element to XYZ 19.9658, 10.8690, 70.1528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 56, 222) }
```

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

```
.background{ background-color: rgb(101, 56,  
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](#).

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