

Converting Colors

XYZ(21.9068, 11.2868, 61.9973)

Have a look what the booklet for
XYZ(21.9068, 11.2868, 61.9973)
contains.

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Color

**XYZ(21.8936, 11.2798,
61.9961)**

Conversions

Conversions Part 1

Format	Color
Hex	832CD2
RGB	131, 44, 210
RGB Percent	51%, 17%, 82%
CMY	0.4863, 0.8274, 0.1765
CMYK	0.38, 0.79, 0.00, 0.18
HSL	271°, 65%, 50%
HSV	271°, 79%, 82%
XYZ	21.8936, 11.2798, 61.9961
YIQ	88.9370, -1.4340, 70.0700

Conversions

Conversions Part 2

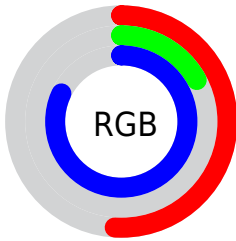
Format	Color
R_{YB}	131, 44, 210
Decimal	8596690
CIE _{Lab}	40.05, 64.91, -69.13
CIE _{LCh}	40, 94.832, 313.197
Yxy	11.2798, 0.2300, 0.1185
Android (android.graphics.Color)	4286786770 (0xFF832CD2)
YUV	88.9370, 59.6841, 36.8893
Hunter-Lab	33.5854, 57.5858, -85.9350

Details

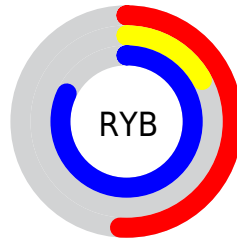
The XYZ color **21.8936, 11.2798, 61.9961** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **31.6694, 50.4861, 10.4586**, and the grayscale version is **9.3548, 9.8419, 10.7179**.

A 20% lighter version of the original color is **43.8424, 27.2815, 97.5628**, and **8.4313, 3.6727, 30.8364** is the 20% darker color. If you saturate the color by 10%, you get **19.8258, 9.3316, 61.7293**, and if you desaturate by 10%, it is **24.5073, 14.0963, 62.4022**.

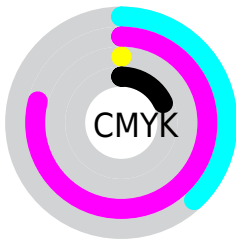
Distribution



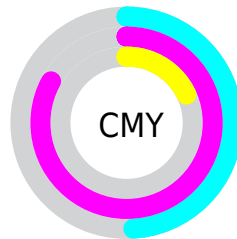
- Red (51%)
- Green (17%)
- Blue (82%)



- Red (51%)
- Yellow (17%)
- Blue (82%)



- Cyan (38%)
- Magenta (79%)
- Yellow (0%)
- Black (18%)



- Cyan (49%)
- Magenta (83%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8936, 11.2798, 61.9961 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 21.8936, 11.2798, 61.9961 by changing the saturation by 10% instead.

21.8936, 11.2798,
61.9961

21.8936, 11.2798,
61.9961

254.6329,
199.5772, 449.9241

13.8949, 6.2554,
44.5938

46.0502, 28.1764,
109.2914

8.1288, 3.0010,
30.7970

62.9389, 40.8174,
140.0215

4.2300, 1.1322,
20.1871

83.5216, 56.7660,
176.0313

1.8331, 0.0053,
12.3457

108.1637, 76.4066,
217.7393

0.5375, 0.0000,
6.8542

137.2305,
100.1236, 265.5640

0.0000, 0.0000,
3.2940

171.0874,

0.0000, 0.0000,

128.3015, 319.9240

1.2467

210.0998,
161.3245, 381.2379

■ 0.0000, 0.0000,
0.0175

■ 0.0000, 0.0000,
0.0000

■ 21.8936, 11.2798,
61.9961

■ 21.8936, 11.2798,
61.9961

■ 19.8258, 9.3316,
61.7293

■ 24.5073, 14.0963,
62.4022

■ 18.2122, 8.0771,
61.5722

■ 27.7215, 17.8873,
62.9646

■ 18.0713, 7.9723,
61.5594

■ 31.5855, 22.7442,
63.6984

■ 36.1420, 28.7472,
64.6169

■ 41.4299, 35.9687,
65.7321

■ 47.4850, 44.4749,
67.0548

■ 54.3403, 54.3271,
68.5952

■ 62.0271, 65.5826,
70.3626

■ 70.5746, 78.2954,
72.3659

Harmonies

Analogous

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



13.8696, 11.2798, 91.8319



21.8936, 11.2798, 61.9961



27.9184, 11.2798, 25.9800

Triad

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



21.8936, 11.2798, 61.9961



14.8006, 11.2798, 0.0000



2.5283, 11.2798, 22.5247

Complementary

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



21.8936, 11.2798, 61.9961



31.6694, 50.4861, 10.4586

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.



2.6076, 11.2798, 4.5141



21.8936, 11.2798, 61.9961



8.0893, 11.2798, 0.0000

Square

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



21.8936, 11.2798, 61.9961



22.8102, 11.2798, 0.2890



4.1930, 11.2798, 0.0000



3.8997, 11.2798, 57.3821

Rectangle

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



21.8936, 11.2798, 61.9961



28.9130, 11.2798, 10.3734



4.1930, 11.2798, 0.0000



2.4104, 11.2798, 14.4109

Sweetspot

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



21.8942, 11.2802, 61.9964



68.6224, 61.8633, 102.9318



19.9087, 19.6627, 63.7190



13.9825, 12.2554, 21.8785



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.



21.8942, 11.2802, 61.9964



28.9582, 13.0523, 95.6008



38.7703, 20.0196, 61.0022



11.7465, 11.7181, 14.8864



11.1401, 4.9232, 37.5556



0.7142, 0.3224, 2.1041

Inverse Universe

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



31.0542, 16.9331, 20.3699



45.2793, 23.1009, 22.5062



24.5939, 46.8323, 10.4081



12.0396, 11.9006, 13.4845



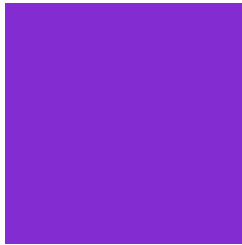
17.6638, 8.9383, 8.4015



1.0276, 0.5158, 0.6803

Previews

White Background



This preview shows how the XYZ color 21.8936, 11.2798, 61.9961 looks on a white background.

Color Contrast Check

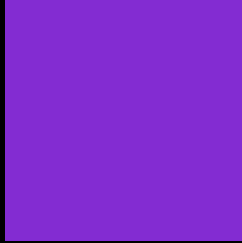
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8936, 11.2798, 61.9961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

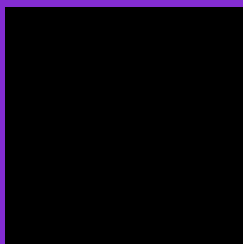
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8936, 11.2798, 61.9961

Background



This preview shows how black text looks on a background with the XYZ color 21.8936, 11.2798, 61.9961.



This preview shows how white text looks on a background with the XYZ color 21.8936, 11.2798,

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

21.8936, 11.2798, 61.9961

Protanopia

13.3667, 11.3324, 51.9350

Deuteranopia

11.2497, 11.3394, 38.1550



Tritanopia

11.9982, 11.3635, 12.8703

Trichromacy



Original Color

21.8936, 11.2798, 61.9961



Protanomaly

13.9765, 9.6495, 55.1587



Deuteranomaly

12.4906, 9.4961, 45.9743



Tritanomaly

14.1724, 10.3131, 25.2884

Monochromacy



Original Color

21.8936, 11.2798, 61.9961



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

12.3251, 9.4016, 23.3554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8936, 11.2798, 61.9961 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(131, 44, 210)` looks like.

```
.text, #text, p{  
    color:rgb(131, 44, 210)  
}
```

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(131, 44, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 44, 210) }
```

Border

The CSS property to change the border of an element to XYZ 21.8936, 11.2798, 61.9961 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(131, 44, 210) }
```


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

```
.border{ border-color:rgb(131, 44, 210) }
```

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

Here you see how a box with a 4 pixel rgb(131, 44, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 44, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 44, 210);  
box-shadow:4px 4px 4px 4px rgb(131, 44,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8936, 11.2798, 61.9961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 44, 210) }
```

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

```
.background{ background-color: rgb(131, 44,  
210) }
```

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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