

Converting Colors

XYZ(21.0744, 10.9548, 61.5985)

Have a look what the booklet for
XYZ(21.0744, 10.9548, 61.5985)
contains.

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Color

**XYZ(21.0898, 10.9931,
61.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	7E2ED1
RGB	126, 46, 209
RGB Percent	49%, 18%, 82%
CMY	0.5059, 0.8196, 0.1804
CMYK	0.40, 0.78, 0.00, 0.18
HSL	269°, 64%, 50%
HSV	269°, 78%, 82%
XYZ	21.0898, 10.9931, 61.3319
YIQ	88.5020, -4.6430, 67.6530

Conversions

Conversions Part 2

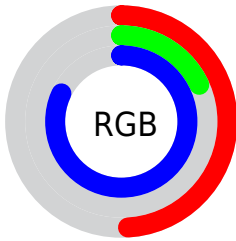
Format	Color
R _{YB}	126, 46, 209
Decimal	8269521
CIE _{Lab}	39.57, 63.18, -69.36
CIE _{LCh}	40, 93.826, 312.329
Y _{xy}	10.9931, 0.2258, 0.1177
Android (android.graphics.Color)	4286459601 (0xFF7E2ED1)
Y _{UV}	88.5020, 59.4055, 32.8857
Hunter-Lab	33.1558, 55.5177, -86.4659

Details

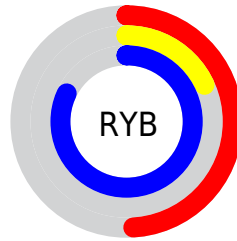
The XYZ color **21.0898, 10.9931, 61.3319** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **32.3467, 50.4653, 10.6208**, and the grayscale version is **9.2608, 9.7431, 10.6102**.

A 20% lighter version of the original color is **42.7113, 26.8416, 97.5376**, and **7.9965, 3.4582, 30.3830** is the 20% darker color. If you saturate the color by 10%, you get **18.9763, 8.9725, 61.0535**, and if you desaturate by 10%, it is **23.7685, 13.8945, 61.7510**.

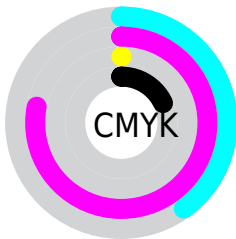
Distribution



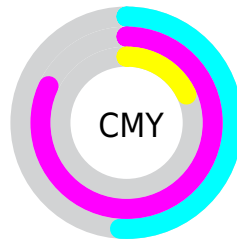
- Red (49%)
- Green (18%)
- Blue (82%)



- Red (49%)
- Yellow (18%)
- Blue (82%)



- Cyan (40%)
- Magenta (78%)
- Yellow (0%)
- Black (18%)



- Cyan (51%)
- Magenta (82%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0898, 10.9931, 61.3319 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 21.0898, 10.9931, 61.3319 by changing the saturation by 10% instead.

21.0898, 10.9931,
61.3319

21.0898, 10.9931,
61.3319

250.4780,
197.6202, 447.4301

13.3025, 6.0622,
44.0608

44.7271, 27.6474,
108.3216

7.7156, 2.8829,
30.3808

61.3078, 40.1396,
138.8772

3.9638, 1.0709,
19.8733

81.5503, 55.9210,
174.6981

1.6817, 0.0000,
12.1198

105.8200, 75.3760,
216.2027

0.4448, 0.0000,
6.7018

134.4823, 98.8891,
263.8097

0.0000, 0.0000,
3.2007

167.9025,

0.0000, 0.0000,

126.8445, 317.9376

1.1980

206.4460,
159.6268, 379.0049

■ 0.0000, 0.0000,
0.0000

■ 21.0898, 10.9931,
61.3319

■ 21.0898, 10.9931,
61.3319

■ 18.9763, 8.9725,
61.0535

■ 23.7685, 13.8945,
61.7510

■ 17.3471, 7.6810,
60.8901

■ 27.0663, 17.7800,
62.3272

■ 17.0542, 7.4623,
60.8633

■ 31.0322, 22.7391,
63.0753

■ 35.7088, 28.8506,
64.0085

■ 41.1350, 36.1857,
65.1383

■ 47.3467, 44.8097,
66.4755

■ 54.3771, 54.7833,
68.0301

■ 62.2576, 66.1629,
69.8112

■ 71.0177, 79.0021,
71.8277

Harmonies

Analogous

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



13.2958, 10.9931, 89.6740



21.0898, 10.9931, 61.3319



27.0580, 10.9931, 26.1320

Triad

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



21.0898, 10.9931, 61.3319



14.6367, 10.9931, 0.0000



2.4579, 10.9931, 21.1578

Complementary

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



21.0898, 10.9931, 61.3319



32.3467, 50.4653, 10.6208

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.



2.5726, 10.9931, 4.1538



21.0898, 10.9931, 61.3319



8.0400, 10.9931, 0.0000

Square

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



21.0898, 10.9931, 61.3319



22.4089, 10.9931, 0.3525



4.1695, 10.9931, 0.0000



3.7460, 10.9931, 54.6980

Rectangle

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



21.0898, 10.9931, 61.3319



28.1458, 10.9931, 10.5968



4.1695, 10.9931, 0.0000



2.3554, 10.9931, 13.4562

Sweetspot

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



21.0904, 10.9934, 61.3322



68.9628, 62.8874, 103.1115



20.6470, 21.2075, 63.3271



14.0197, 12.4367, 21.9116



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.



21.0904, 10.9934, 61.3322



27.8898, 12.5525, 95.5607



38.0181, 19.7200, 62.1244



11.7083, 11.6984, 14.8846



10.6283, 4.6594, 37.5317



0.6858, 0.3077, 2.1028

Inverse Universe

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



31.2340, 17.0944, 22.4216



45.9557, 23.4264, 25.8991



24.5468, 46.4443, 10.2558



12.0563, 11.9073, 13.5725



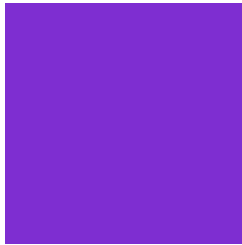
17.8799, 9.0248, 9.5396



1.0398, 0.5206, 0.7443

Previews

White Background



This preview shows how the XYZ color 21.0898, 10.9931, 61.3319 looks on a white background.

Color Contrast Check

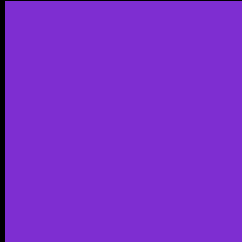
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0898, 10.9931, 61.3319 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 21.0898, 10.9931, 61.3319

Background



This preview shows how black text looks on a background with the XYZ color 21.0898, 10.9931, 61.3319.



This preview shows how white text looks on a background with the XYZ color 21.0898, 10.9931,

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

21.0898, 10.9931, 61.3319

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

10.8837, 11.0461, 36.6804



Tritanopia

11.2933, 11.0002, 12.8373

Trichromacy



Original Color

21.0898, 10.9931, 61.3319



Protanomaly

13.6535, 9.5096, 53.9392



Deuteranomaly

12.0893, 9.3249, 44.3427



Tritanomaly

13.5918, 10.1120, 25.2802

Monochromacy



Original Color

21.0898, 10.9931, 61.3319



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

12.0957, 9.2833, 23.3446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0898, 10.9931, 61.3319 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(126, 46, 209)` looks like.

```
.text, #text, p{  
    color:rgb(126, 46, 209)  
}
```

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(126, 46, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 46, 209) }
```

Border

The CSS property to change the border of an element to XYZ 21.0898, 10.9931, 61.3319 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(126, 46, 209) }
```


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

```
.border{ border-color:rgb(126, 46, 209) }
```

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

Here you see how a box with a 4 pixel rgb(126, 46, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 46, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 46, 209);  
box-shadow:4px 4px 4px 4px rgb(126, 46,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0898, 10.9931, 61.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 46, 209) }
```

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

```
.background{ background-color: rgb(126, 46,  
209) }
```

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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