

Converting Colors

XYZ(21.8572, 9.8107, 77.0876)

Have a look what the booklet for
XYZ(21.8572, 9.8107, 77.0876)
contains.

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Color

**XYZ(21.9250, 9.8533,
77.0902)**

Conversions

Conversions Part 1

Format	Color
Hex	740EE8
RGB	116, 14, 232
RGB Percent	45%, 5%, 91%
CMY	0.5451, 0.9451, 0.0902
CMYK	0.50, 0.94, 0.00, 0.09
HSL	268°, 89%, 48%
HSV	268°, 94%, 91%
XYZ	21.9250, 9.8533, 77.0902
YIQ	69.3500, -9.1860, 89.4220

Conversions

Conversions Part 2

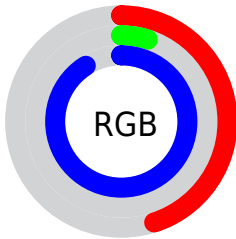
Format	Color
R _Y B	116, 14, 232
Decimal	7605992
CIE Lab	37.58, 75.71, -85.88
CIE LCh	38, 114.485, 311.398
Yxy	9.8533, 0.2014, 0.0905
Android (android.graphics.Color)	4285796072 (0xFF740EE8)
YUV	69.3500, 80.1865, 40.9121
Hunter-Lab	31.3900, 69.7447, -123.6365

Details

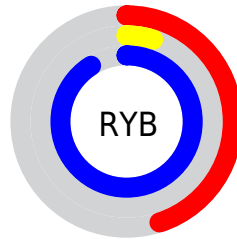
The XYZ color **21.9250, 9.8533, 77.0902** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **38.1402, 62.4901, 10.4669**, and the grayscale version is **5.5878, 5.8788, 6.4021**.

A 20% lighter version of the original color is **39.7337, 22.9902, 96.9511**, and **8.7766, 3.6306, 40.7956** is the 20% darker color. If you saturate the color by 10%, you get **20.8181, 9.0496, 76.9937**, and if you desaturate by 10%, it is **24.1879, 11.7778, 77.3427**.

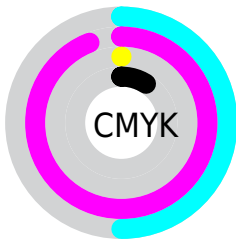
Distribution



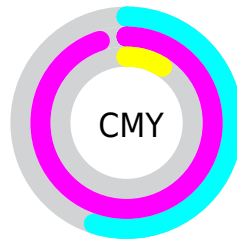
- Red (45%)
- Green (5%)
- Blue (91%)



- Red (45%)
- Yellow (5%)
- Blue (91%)



- Cyan (50%)
- Magenta (94%)
- Yellow (0%)
- Black (9%)




- Cyan (55%)
- Magenta (95%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9250, 9.8533, 77.0902 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 21.9250, 9.8533, 77.0902 by changing the saturation by 10% instead.


 21.9250, 9.8533,
77.0902

 21.9250, 9.8533,
77.0902

254.7941,
189.6218, 504.5173


 13.9181, 5.3018,
56.8149


 46.1018, 25.5192,
131.0410

 8.1450, 2.4254,
40.4483


 63.0024, 37.4024,
165.5535

 4.2405, 0.8389,
27.5718


 83.5982, 52.4983,
205.6489

 1.8391, 0.0000,
17.7669

 108.2547, 71.1913,
251.7457

 0.5410, 0.0000,
10.6151

 137.3372, 93.8657,
304.2624

 0.0000, 0.0000,
5.6977

 171.2110,

 0.0000, 0.0000,

120.9060, 363.6175

2.5964

210.2415,
152.6966, 430.2297

■ 0.0000, 0.0000,
0.8906

■ 0.0000, 0.0000,
0.0000

■ 21.9250, 9.8533,
77.0902

■ 21.9250, 9.8533,
77.0902

■ 20.8181, 9.0496,
76.9937

■ 24.1879, 11.7778,
77.3427

■ 27.1346, 14.7353,
77.7582

■ 30.8485, 18.8801,
78.3625

■ 35.3984, 24.3391,
79.1764

40.8447, 31.2226,
80.2180

47.2413, 39.6286,
81.5034

54.6377, 49.6462,
83.0471

63.0794, 61.3577,
84.8628

72.6092, 74.8394,
86.9627

Harmonies

Analogous

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



12.3961, 9.8533, 116.5756



21.9250, 9.8533, 77.0902



29.7392, 9.8533, 29.1469

Triad

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



21.9250, 9.8533, 77.0902



14.5480, 9.8533, 0.0000



1.2721, 9.8533, 20.6995

Complementary

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



21.9250, 9.8533, 77.0902



38.1402, 62.4901, 10.4669

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.



1.3955, 9.8533, 2.3717



21.9250, 9.8533, 77.0902



6.8737, 9.8533, 0.0000

Square

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



21.9250, 9.8533, 77.0902



24.1803, 9.8533, 0.0000



2.8443, 9.8533, 0.0000



2.3209, 9.8533, 64.6304

Rectangle

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



21.9250, 9.8533, 77.0902



31.3299, 9.8533, 9.7848



2.8443, 9.8533, 0.0000



1.2019, 9.8533, 11.7312

Sweetspot

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



21.9257, 9.8535, 77.0905



63.7258, 56.0883, 102.0751



22.7644, 21.9552, 79.3821



12.8049, 10.8785, 21.6748



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.



21.9257, 9.8535, 77.0905



25.7020, 11.1647, 95.4081



45.6908, 22.1049, 78.2027



14.2208, 14.2161, 18.1388



11.7000, 5.0975, 42.7504



0.9710, 0.4315, 3.1641

Inverse Universe

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



37.4643, 19.0812, 22.8238



45.6611, 23.0284, 25.2112



29.2508, 57.9074, 10.0508



14.6959, 14.4955, 16.5990



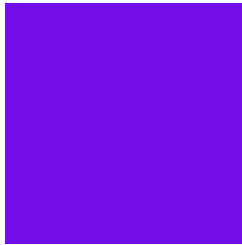
20.5395, 10.3500, 11.7357



1.5646, 0.7836, 1.1139

Previews

White Background



This preview shows how the XYZ color 21.9250, 9.8533, 77.0902 looks on a white background.

Color Contrast Check

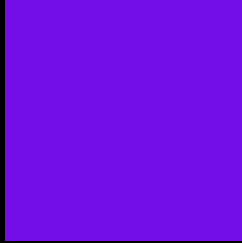
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 21.9250, 9.8533, 77.0902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

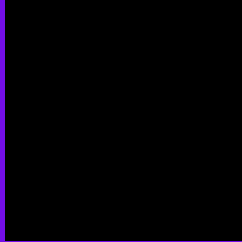
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9250, 9.8533, 77.0902

Background



This preview shows how black text looks on a background with the XYZ color 21.9250, 9.8533, 77.0902.



This preview shows how white text looks on a background with the XYZ color 21.9250, 9.8533,

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

21.9250, 9.8533, 77.0902

Protanopia

11.6683, 9.9918, 45.0297

Deuteranopia

9.7435, 10.0209, 32.4310



Tritanopia

9.0876, 9.9837, 13.0034

Trichromacy



Original Color

21.9250, 9.8533, 77.0902



Protanomaly

12.9960, 7.8941, 55.4823



Deuteranomaly

11.3355, 7.5779, 45.6650



Tritanomaly

11.4576, 7.9369, 28.5319

Monochromacy



Original Color

21.9250, 9.8533, 77.0902



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

8.8323, 5.7336, 21.0632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9250, 9.8533, 77.0902 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(116, 14, 232)` looks like.

```
.text, #text, p{  
  color:rgb(116, 14, 232)  
}
```

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(116, 14, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 14, 232) }
```

Border

The CSS property to change the border of an element to XYZ 21.9250, 9.8533, 77.0902 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(116, 14, 232) }
```


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

```
.border{ border-color:rgb(116, 14, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 14, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 14, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 14, 232);  
box-shadow:4px 4px 4px 4px rgb(116, 14,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9250, 9.8533, 77.0902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 14, 232) }
```

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

```
.background{ background-color: rgb(116, 14,  
232) }
```

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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