

Converting Colors

XYZ(21.1787, 9.1063, 82.8461)

Have a look what the booklet for
XYZ(21.1787, 9.1063, 82.8461)
contains.

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Color

**XYZ(21.2077, 9.1161,
83.0799)**

Conversions

Conversions Part 1

Format	Color
Hex	6600F0
RGB	102, 0, 240
RGB Percent	40%, 0%, 94%
CMY	0.6000, 1.0000, 0.0588
CMYK	0.57, 1.00, 0.00, 0.06
HSL	266°, 100%, 47%
HSV	266°, 100%, 94%
XYZ	21.2077, 9.1161, 83.0799
YIQ	57.8580, -16.2480, 96.2640

Conversions

Conversions Part 2

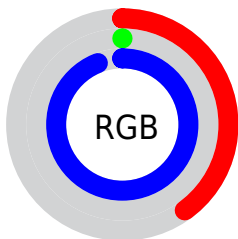
Format	Color
R_{YB}	102, 0, 240
Decimal	6684912
CIE _{Lab}	36.21, 78.23, -92.75
CIE _{LCh}	36, 121.336, 310.149
Yxy	9.1161, 0.1870, 0.0804
Android (android.graphics.Color)	4284874992 (0xFF6600F0)
YUV	57.8580, 89.7960, 38.7125
Hunter-Lab	30.1929, 72.5422, -142.0096

Details

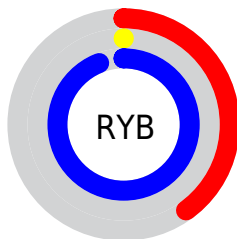
The XYZ color **21.2077, 9.1161, 83.0799** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **41.6403, 67.7231, 10.8772**, and the grayscale version is **3.8893, 4.0918, 4.4560**.

A 20% lighter version of the original color is **36.8523, 20.8526, 96.6904**, and **8.4435, 3.3774, 44.4628** is the 20% darker color. If you saturate the color by 10%, you get **21.2085, 9.1165, 83.0802**, and if you desaturate by 10%, it is **23.2316, 10.6443, 83.2685**.

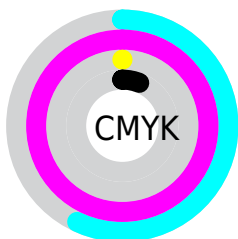
Distribution



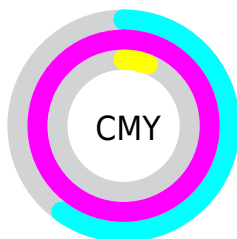
- Red (40%)
- Green (0%)
- Blue (94%)



- Red (40%)
- Yellow (0%)
- Blue (94%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)



- Cyan (60%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2077, 9.1161, 83.0799 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 21.2077, 9.1161, 83.0799 by changing the saturation by 10% instead.

■ 21.2077, 9.1161,
83.0799

■ 21.2077, 9.1161,
83.0799

251.0911,
184.2416, 525.2307

■ 13.3892, 4.8170,
61.7151

■ 44.9216, 24.1191,
139.5376

■ 7.7760, 2.1403,
44.3682

■ 61.5478, 35.5918,
175.4675

■ 4.0025, 0.6871,
30.6208

■ 81.8406, 50.2245,
217.0896

■ 1.7036, 0.0000,
20.0542

■ 106.1653, 68.4016,
264.8224

■ 0.4585, 0.0000,
12.2500

■ 134.8874, 90.5075,
319.0843


■ 0.0000, 0.0000,
6.7896


■ 168.3722,


■ 0.0000, 0.0000,


116.9265, 380.2940

3.2544


 206.9849,
148.0431, 448.8699


 0.0000, 0.0000,
1.2260


 0.0000, 0.0000,
0.0000


 21.2077, 9.1161,
83.0799

 21.2077, 9.1161,
83.0799

 21.2085, 9.1165,
83.0802

 23.2316, 10.6443,
83.2685

 25.9307, 13.1199,
83.6041

 29.4436, 16.8019,
84.1296

 33.8557, 21.8457,
84.8706

■ 39.2401, 28.3826,
85.8486

■ 45.6616, 36.5277,
87.0823

■ 53.1787, 46.3845,
88.5887

■ 61.8453, 58.0475,
90.3831

■ 71.7113, 71.6045,
92.4798

Harmonies

Analogous

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



11.3764, 9.1161, 125.0569



21.2077, 9.1161, 83.0799



29.6638, 9.1161, 30.7479

Triad

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



21.2077, 9.1161, 83.0799



14.3486, 9.1161, 0.0000



0.8952, 9.1161, 18.8121

Complementary

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



21.2077, 9.1161, 83.0799



41.6403, 67.7231, 10.8772

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.



1.0372, 9.1161, 1.5826



21.2077, 9.1161, 83.0799



6.4221, 9.1161, 0.0000

Square

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



21.2077, 9.1161, 83.0799



24.3999, 9.1161, 0.0000



2.4052, 9.1161, 0.0000



1.7602, 9.1161, 64.8203

Rectangle

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



21.2077, 9.1161, 83.0799



31.5960, 9.1161, 9.8218



2.4052, 9.1161, 0.0000



0.8478, 9.1161, 10.0307

Sweetspot

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



21.2085, 9.1165, 83.0802



60.9382, 53.1112, 101.6474



25.1064, 25.0475, 85.9498



12.2297, 10.2928, 21.5921



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.



21.2085, 9.1165, 83.0802



24.2809, 10.4322, 95.3416



45.2435, 21.5070, 84.2050



15.5342, 15.5571, 19.9057



11.7546, 5.0651, 45.4860



1.0893, 0.4788, 3.7892

Inverse Universe

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



40.5223, 20.3601, 25.8364



46.4765, 23.3546, 29.5050



31.4487, 62.4691, 10.4002



16.1538, 15.9112, 18.3659



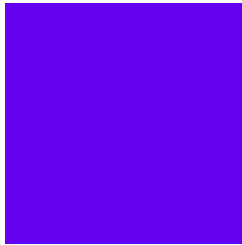
22.2504, 11.1726, 14.5011



1.9007, 0.9493, 1.4679

Previews

White Background



This preview shows how the XYZ color 21.2077, 9.1161, 83.0799 looks on a white background.

Color Contrast Check

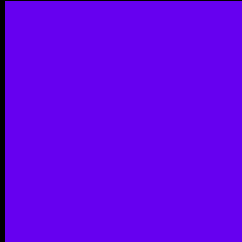
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2077, 9.1161, 83.0799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

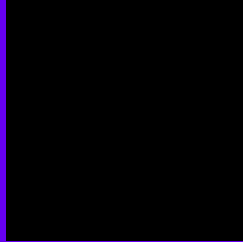
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2077, 9.1161, 83.0799

Background



This preview shows how black text looks on a background with the XYZ color 21.2077, 9.1161, 83.0799.



This preview shows how white text looks on a background with the XYZ color 21.2077, 9.1161,

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

21.2077, 9.1161, 83.0799

Protanopia

10.9082, 9.4358, 41.8038

Deuteranopia

8.9972, 9.3147, 29.7575



Tritanopia

7.4356, 9.3726, 13.7291

Trichromacy



Original Color

21.2077, 9.1161, 83.0799

Protanomaly

12.3449, 7.0630, 54.7455

Deuteranomaly

10.6696, 6.6970, 44.9863

Tritanomaly

9.5462, 6.5882, 30.4743

Monochromacy



Original Color

21.2077, 9.1161, 83.0799

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.1237, 4.2342, 19.5106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2077, 9.1161, 83.0799 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(102, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 240)  
}
```

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(102, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 21.2077, 9.1161, 83.0799 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(102, 0, 240) }
```


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

```
.border{ border-color:rgb(102, 0, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(102, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2077, 9.1161, 83.0799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 240) }
```

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

```
.background{ background-color: rgb(102, 0,  
240) }
```

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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