

Converting Colors

XYZ(21.0754, 9.0211, 84.4143)

Have a look what the booklet for
XYZ(21.0754, 9.0211, 84.4143)
contains.

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Color

**XYZ(21.0640, 9.0075,
84.6328)**

Conversions

Conversions Part 1

Format	Color
Hex	6200F2
RGB	98, 0, 242
RGB Percent	38%, 0%, 95%
CMY	0.6157, 1.0000, 0.0510
CMYK	0.60, 1.00, 0.00, 0.05
HSL	264°, 100%, 47%
HSV	264°, 100%, 95%
XYZ	21.0640, 9.0075, 84.6328
YIQ	56.8900, -19.2740, 96.0380

Conversions

Conversions Part 2

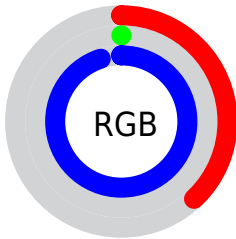
Format	Color
R _Y B	98, 0, 242
Decimal	6422770
CIE Lab	36.00, 78.45, -94.24
CIE LCh	36, 122.614, 309.775
Yxy	9.0075, 0.1836, 0.0785
Android (android.graphics.Color)	4284612850 (0xFF6200F2)
YUV	56.8900, 91.2592, 36.0535
Hunter-Lab	30.0125, 72.7567, -146.1842

Details

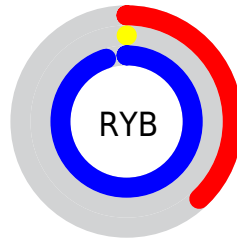
The XYZ color **21.0640, 9.0075, 84.6328** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **43.2526, 69.4331, 11.1223**, and the grayscale version is **3.7617, 3.9576, 4.3099**.

A 20% lighter version of the original color is **36.2209, 20.5271, 96.6608**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **21.0648, 9.0079, 84.6331**, and if you desaturate by 10%, it is **23.0918, 10.5438, 84.8228**.

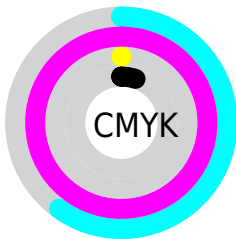
Distribution



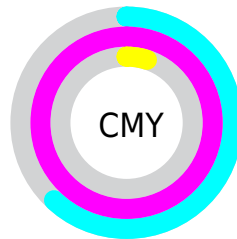
- Red (38%)
- Green (0%)
- Blue (95%)



- Red (38%)
- Yellow (0%)
- Blue (95%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (62%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0640, 9.0075, 84.6328 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 21.0640, 9.0075, 84.6328 by changing the saturation by 10% instead.

■ 21.0640, 9.0075,
84.6328

■ 21.0640, 9.0075,
84.6328

250.3437,
183.4338, 530.5251

■ 13.2835, 4.7461,
62.9896

■ 44.6845, 23.9112,
141.7296

■ 7.7024, 2.0991,
45.3919

■ 61.2552, 35.3222,
178.0204

■ 3.9553, 0.6641,
31.4210

■ 81.4867, 49.8852,
220.0307

■ 1.6769, 0.0000,
20.6585

■ 105.7444, 67.9846,
268.1791

■ 0.4417, 0.0000,
12.6858

■ 134.3936, 90.0047,
322.8843


■ 0.0000, 0.0000,
7.0844


■ 167.7996,


■ 0.0000, 0.0000,


116.3301, 384.5646

3.4357


 206.3279,
147.3450, 453.6387


 0.0000, 0.0000,
1.3212


 0.0000, 0.0000,
0.0790


 21.0640, 9.0075,
84.6328


 21.0640, 9.0075,
84.6328

 21.0648, 9.0079,
84.6331

 23.0918, 10.5438,
84.8228

 25.8240, 13.0547,
85.1634

 29.4028, 16.8043,
85.6985

 33.9172, 21.9518,
86.4542

■ 39.4428, 28.6321,
87.4524

■ 46.0470, 36.9631,
88.7123

■ 53.7904, 47.0510,
90.2514

■ 62.7291, 58.9930,
92.0853

■ 72.9152, 72.8789,
94.2287

Harmonies

Analogous

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



11.1754, 9.0075, 126.9242



21.0640, 9.0075, 84.6328



29.6718, 9.0075, 31.3327

Triad

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



21.0640, 9.0075, 84.6328



14.3953, 9.0075, 0.0000



0.8381, 9.0075, 18.3490

Complementary

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



21.0640, 9.0075, 84.6328



43.2526, 69.4331, 11.1223

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.



0.9868, 9.0075, 1.4371



21.0640, 9.0075, 84.6328



6.3905, 9.0075, 0.0000

Square

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



21.0640, 9.0075, 84.6328



24.5369, 9.0075, 0.0000



2.3512, 9.0075, 0.0000



1.6665, 9.0075, 64.6491

Rectangle

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



21.0640, 9.0075, 84.6328



31.7001, 9.0075, 9.9664



2.3512, 9.0075, 0.0000



0.7947, 9.0075, 9.6506

Sweetspot

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



21.0648, 9.0079, 84.6331



60.5010, 52.8858, 101.6270



26.1831, 26.7229, 87.7827



12.1271, 10.2399, 21.5873



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.



21.0648, 9.0079, 84.6331



23.6748, 10.1197, 95.3132



44.8808, 21.2855, 85.7477



15.5033, 15.5412, 19.9042



11.4614, 4.9139, 45.4723



1.0632, 0.4654, 3.7880

Inverse Universe

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



41.6516, 20.8907, 28.2198



46.8852, 23.5181, 31.6575



32.1337, 63.7011, 10.6019



16.1676, 15.9167, 18.4386



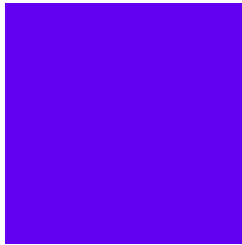
22.4450, 11.2504, 15.5256



1.9164, 0.9556, 1.5504

Previews

White Background



This preview shows how the XYZ color 21.0640, 9.0075, 84.6328 looks on a white background.

Color Contrast Check

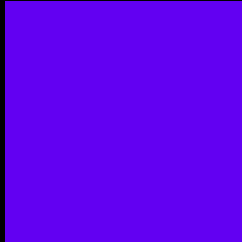
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0640, 9.0075, 84.6328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

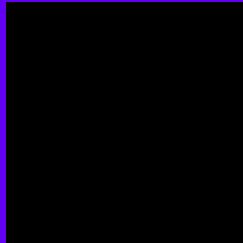
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0640, 9.0075, 84.6328

Background



This preview shows how black text looks on a background with the XYZ color 21.0640, 9.0075, 84.6328.



This preview shows how white text looks on a background with the XYZ color 21.0640, 9.0075,

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

21.0640, 9.0075, 84.6328

Protanopia

10.7332, 9.2425, 41.2627

Deuteranopia

8.9177, 9.2829, 29.3387



Tritanopia

7.0282, 9.2880, 13.9927

Trichromacy



Original Color

21.0640, 9.0075, 84.6328

Protanomaly

12.3095, 7.0448, 54.7438

Deuteranomaly

10.6342, 6.6787, 44.9846

Tritanomaly

9.0530, 6.4015, 30.8955

Monochromacy



Original Color

21.0640, 9.0075, 84.6328

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.9415, 4.0947, 19.4933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0640, 9.0075, 84.6328 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(98, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(98, 0, 242)  
}
```

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(98, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 21.0640, 9.0075, 84.6328 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(98, 0, 242) }
```


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

```
.border{ border-color:rgb(98, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(98, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0640, 9.0075, 84.6328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 0, 242) }
```

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

```
.background{ background-color: rgb(98, 0,  
242) }
```

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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