

Converting Colors

XYZ(21.0805, 8.9670, 86.8459)

Have a look what the booklet for
XYZ(21.0805, 8.9670, 86.8459)
contains.

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Color

**XYZ(21.0975, 8.9723,
87.0061)**

Conversions

Conversions Part 1

Format	Color
Hex	5E00F5
RGB	94, 0, 245
RGB Percent	37%, 0%, 96%
CMY	0.6313, 1.0000, 0.0392
CMYK	0.62, 1.00, 0.00, 0.04
HSL	263°, 100%, 48%
HSV	263°, 100%, 96%
XYZ	21.0975, 8.9723, 87.0061
YIQ	56.0360, -22.6210, 96.1230

Conversions

Conversions Part 2

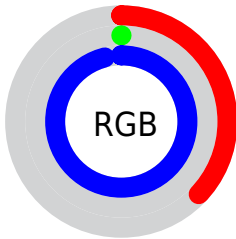
Format	Color
R _Y B	94, 0, 245
Decimal	6160629
CIE Lab	35.93, 78.90, -96.06
CIE LCh	36, 124.305, 309.399
Yxy	8.9723, 0.1802, 0.0766
Android (android.graphics.Color)	4284350709 (0xFF5E00F5)
YUV	56.0360, 93.1593, 33.2944
Hunter-Lab	29.9538, 73.3046, -151.2506

Details

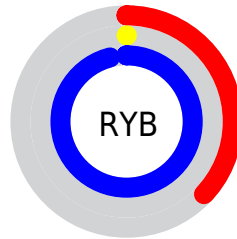
The XYZ color **21.0975, 8.9723, 87.0061** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **45.4137, 71.8837, 11.4814**, and the grayscale version is **3.6506, 3.8407, 4.1825**.

A 20% lighter version of the original color is **35.6042, 20.2091, 96.6319**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **21.0984, 8.9727, 87.0064**, and if you desaturate by 10%, it is **23.1384, 10.5247, 87.1985**.

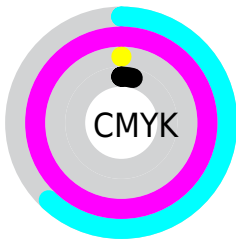
Distribution



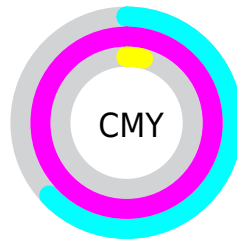
- Red (37%)
- Green (0%)
- Blue (96%)



- Red (37%)
- Yellow (0%)
- Blue (96%)



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)



- Cyan (63%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0975, 8.9723, 87.0061 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 21.0975, 8.9723, 87.0061 by changing the saturation by 10% instead.


 21.0975, 8.9723,
87.0061


 21.0975, 8.9723,
87.0061


250.5181,
183.1711, 538.5596

 13.3082, 4.7231,
64.9406


 44.7398, 23.8436,
145.0716

 7.7195, 2.0857,
46.9619

 61.3235, 35.2346,
181.9087


 3.9663, 0.6566,
32.6514


 81.5693, 49.7749,
224.5067

 1.6831, 0.0000,
21.5906

 105.8426, 67.8490,
273.2841

 0.4457, 0.0000,
13.3610

 134.5088, 89.8413,
328.6596

 0.0000, 0.0000,
7.5439

 167.9332,

 0.0000, 0.0000,

116.1362, 391.0517

3.7210

206.4812,
147.1180, 460.8788

0.0000, 0.0000,
1.4736

0.0000, 0.0000,
0.1981

21.0975, 8.9723,
87.0061

21.0975, 8.9723,
87.0061

21.0984, 8.9727,
87.0064

23.1384, 10.5247,
87.1985

25.9218, 13.0897,
87.5469

29.5956, 16.9390,
88.0962

34.2528, 22.2378,
88.8735

■ 39.9731, 29.1257,
89.9016

■ 46.8272, 37.7251,
91.2002

■ 54.8791, 48.1462,
92.7873

■ 64.1877, 60.4897,
94.6792

■ 74.8076, 74.8487,
96.8910

Harmonies

Analogous

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



11.0648, 8.9723, 129.9979



21.0975, 8.9723, 87.0061



29.9376, 8.9723, 32.2186

Triad

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



21.0975, 8.9723, 87.0061



14.5673, 8.9723, 0.0000



0.7870, 8.9723, 18.0344

Complementary

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



21.0975, 8.9723, 87.0061



45.4137, 71.8837, 11.4814

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.



0.9442, 8.9723, 1.3074



21.0975, 8.9723, 87.0061



6.4118, 8.9723, 0.0000

Square

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



21.0975, 8.9723, 87.0061



24.8918, 8.9723, 0.0000



2.3153, 8.9723, 0.0000



1.5866, 8.9723, 65.0372

Rectangle

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



21.0975, 8.9723, 87.0061



32.0837, 8.9723, 10.2024



2.3153, 8.9723, 0.0000



0.7464, 8.9723, 9.3486

Sweetspot

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



21.0984, 8.9727, 87.0064



60.0413, 52.6488, 101.6055



27.5616, 28.7527, 90.4837



12.0194, 10.1844, 21.5822



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.



21.0984, 8.9727, 87.0064



23.0702, 9.8080, 95.2849



44.9238, 21.2551, 88.1214



16.1823, 16.2366, 20.8236



11.5088, 4.9073, 46.8787



1.1225, 0.4885, 4.1254

Inverse Universe

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



43.2417, 21.6467, 31.1743



47.3391, 23.6996, 34.0475



33.1475, 65.5603, 10.9073



16.9284, 16.6542, 19.3697



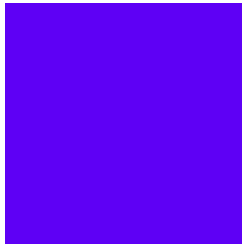
23.3648, 11.6894, 17.1612



2.1036, 1.0474, 1.7721

Previews

White Background



This preview shows how the XYZ color 21.0975, 8.9723, 87.0061 looks on a white background.

Color Contrast Check

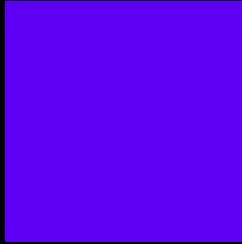
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0975, 8.9723, 87.0061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

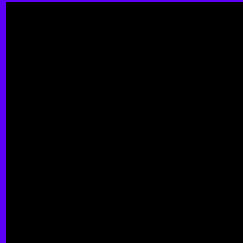
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0975, 8.9723, 87.0061

Background



This preview shows how black text looks on a background with the XYZ color 21.0975, 8.9723, 87.0061.



This preview shows how white text looks on a background with the XYZ color 21.0975, 8.9723,

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

21.0975, 8.9723, 87.0061

Protanopia

10.7332, 9.2425, 41.2627

Tritanopia

6.5404, 9.1637, 14.2560

Trichromacy



Original Color

21.0975, 8.9723, 87.0061

Protanomaly

12.3581, 7.0564, 55.3543

Tritanomaly

8.1919, 5.9384, 31.7248

Monochromacy



Original Color

21.0975, 8.9723, 87.0061

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.8583, 4.0445, 19.8212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0975, 8.9723, 87.0061 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(94, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(94, 0, 245)  
}
```

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(94, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 21.0975, 8.9723, 87.0061 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(94, 0, 245) }
```

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

```
.border{ border-color:rgb(94, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(94, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(94, 0, 245)  
}
```


Background

The CSS property to change the background color of an element to XYZ 21.0975, 8.9723, 87.0061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 0, 245) }
```

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

```
.background{ background-color: rgb(94, 0,  
245) }
```

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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