

Converting Colors

XYZ(22.0097, 9.2613, 95.2353)

Have a look what the booklet for
XYZ(22.0097, 9.2613, 95.2353)
contains.

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Color

**XYZ(21.9805, 9.2462,
95.2339)**

Conversions

Conversions Part 1

Format	Color
Hex	5700FF
RGB	87, 0, 255
RGB Percent	34%, 0%, 100%
CMY	0.6588, 1.0000, 0.0000
CMYK	0.66, 1.00, 0.00, 0.00
HSL	260°, 100%, 50%
HSV	260°, 100%, 100%
XYZ	21.9805, 9.2462, 95.2339
YIQ	55.0830, -30.0030, 97.7490

Conversions

Conversions Part 2

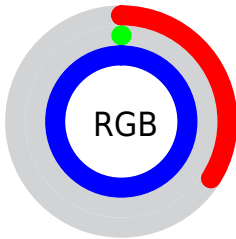
Format	Color
RYB	87, 0, 255
Decimal	5701887
CIELab	36.45, 80.81, -100.83
CIELCh	36, 129.216, 308.710
Yxy	9.2462, 0.1738, 0.0731
Android (android.graphics.Color)	4283891967 (0xFF5700FF)
YUV	55.0830, 98.5591, 27.9912
Hunter-Lab	30.4076, 75.8178, -164.4059

Details

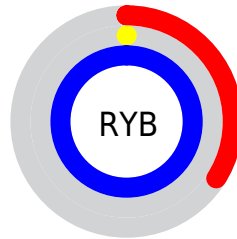
The XYZ color **21.9805, 9.2462, 95.2339** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **51.9062, 79.8437, 12.6756**, and the grayscale version is **3.5253, 3.7089, 4.0390**.

A 20% lighter version of the original color is **34.8044, 19.7969, 96.5945**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **21.9815, 9.2467, 95.2340**, and if you desaturate by 10%, it is **24.0952, 10.8685, 95.4356**.

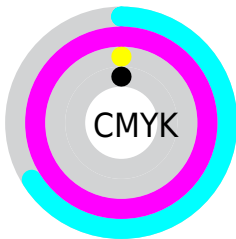
Distribution



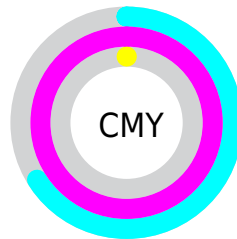
- Red (34%)
- Green (0%)
- Blue (100%)



- Red (34%)
- Yellow (0%)
- Blue (100%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9805, 9.2462, 95.2339 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 21.9805, 9.2462, 95.2339 by changing the saturation by 10% instead.

■ 21.9805, 9.2462,
95.2339

■ 21.9805, 9.2462,
95.2339

255.0787,
185.2041, 565.9170

■ 13.9591, 4.9021,
71.7317

■ 46.1929, 24.3677,
156.5861

■ 8.1737, 2.1899,
52.4540

■ 63.1145, 35.9139,
195.2731

■ 4.2591, 0.7145,
36.9824

■ 83.7337, 50.6295,
239.8589

■ 1.8497, 0.0000,
24.8982

■ 108.4156, 68.8991,
290.7618

■ 0.5473, 0.0000,
15.7829

■ 137.5257, 91.1069,
348.4006


■ 0.0000, 0.0000,
9.2180


■ 171.4294,


■ 0.0000, 0.0000,


117.6374, 413.1937


4.7849


 210.4919,
148.8750, 485.5596


 0.0000, 0.0000,
2.0651


 0.0000, 0.0000,
0.5949


 21.9805, 9.2462,
95.2339


 21.9805, 9.2462,
95.2339

 21.9815, 9.2467,
95.2340

 24.0952, 10.8685,
95.4356

 27.0642, 13.6244,
95.8111

 31.0525, 17.8109,
96.4089

 36.1671, 23.6130,
97.2593

■ 42.4998, 31.1867,
98.3874

■ 50.1321, 40.6690,
99.8154

■ 59.1376, 52.1829,
101.5632

■ 69.5842, 65.8411,
103.6489

■ 81.5353, 81.7477,
106.0893

Harmonies

Analogous

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



11.2733, 9.2462, 141.3237



21.9805, 9.2462, 95.2339



31.6308, 9.2462, 35.2691

Triad

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



21.9805, 9.2462, 95.2339



15.4728, 9.2462, 0.0000



0.7178, 9.2462, 18.1185

Complementary

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



21.9805, 9.2462, 95.2339



51.9062, 79.8437, 12.6756

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.



0.8979, 9.2462, 1.1220



21.9805, 9.2462, 95.2339



6.6982, 9.2462, 0.0000

Square

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



21.9805, 9.2462, 95.2339



26.5687, 9.2462, 0.0000



2.3318, 9.2462, 0.0000



1.4946, 9.2462, 68.3505

Rectangle

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



21.9805, 9.2462, 95.2339



34.0983, 9.2462, 11.0703



2.3318, 9.2462, 0.0000



0.6822, 9.2462, 9.1272

Sweetspot

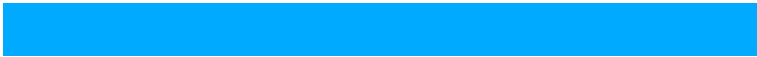
The Sweet Spot groups the original color and five complimentary colors.



21.9815, 9.2467, 95.2340



59.1376, 52.1829, 101.5632



32.4247, 35.9695, 99.8416



11.8084, 10.0756, 21.5724



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.



21.9815, 9.2467, 95.2340



45.3458, 21.2915, 96.3274



17.5873, 17.6790, 22.7354



11.6286, 4.9052, 49.7685



1.2438, 0.5351, 4.8510

Inverse Universe

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



48.3069, 24.0868, 39.1438



36.7354, 72.0228, 11.9656



18.5138, 18.1888, 21.3230



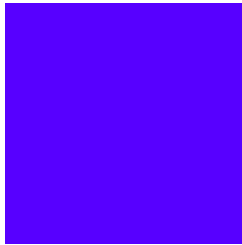
25.3142, 12.6150, 20.8367



2.5160, 1.2488, 2.2987

Previews

White Background



This preview shows how the XYZ color 21.9805, 9.2462, 95.2339 looks on a white background.

Color Contrast Check

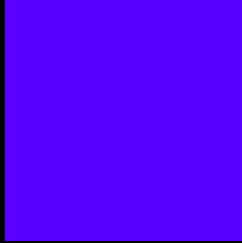
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9805, 9.2462, 95.2339 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 21.9805, 9.2462, 95.2339

Background



This preview shows how black text looks on a background with the XYZ color 21.9805, 9.2462, 95.2339.



This preview shows how white text looks on a background with the XYZ color 21.9805, 9.2462,

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

21.9805, 9.2462, 95.2339

Protanopia

10.9082, 9.4358, 41.8038

Deuteranopia

8.9972, 9.3147, 29.7575



Tritanopia

6.6311, 9.3450, 14.2862

Trichromacy



Original Color

21.9805, 9.2462, 95.2339

Protanomaly

12.7679, 7.2129, 57.8460

Deuteranomaly

11.1359, 6.8642, 48.3149

Tritanomaly

8.4360, 6.1132, 33.0831

Monochromacy



Original Color

21.9805, 9.2462, 95.2339

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.8121, 3.9539, 20.8262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9805, 9.2462, 95.2339 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(87, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 255)  
}
```

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(87, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.9805, 9.2462, 95.2339 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(87, 0, 255) }
```

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

```
.border{ border-color:rgb(87, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9805, 9.2462, 95.2339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 0, 255) }
```

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

```
.background{ background-color: rgb(87, 0,  
255) }
```

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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