

Converting Colors

XYZ(22.0282, 9.9824, 95.3735)

Have a look what the booklet for
XYZ(22.0282, 9.9824, 95.3735)
contains.

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Color

**XYZ(22.0197, 9.9938,
95.3762)**

Conversions

Conversions Part 1

Format	Color
Hex	521FFF
RGB	82, 31, 255
RGB Percent	32%, 12%, 100%
CMY	0.6784, 0.8785, 0.0000
CMYK	0.68, 0.88, 0.00, 0.00
HSL	254°, 100%, 56%
HSV	254°, 88%, 100%
XYZ	22.0197, 9.9938, 95.3762
YIQ	71.7850, -41.5080, 80.4760

Conversions

Conversions Part 2

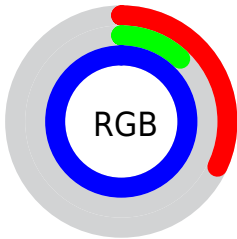
Format	Color
R _Y B	82, 31, 255
Decimal	5382143
CIE Lab	37.83, 75.06, -98.55
CIE LCh	38, 123.876, 307.293
Yxy	9.9938, 0.1729, 0.0785
Android (android.graphics.Color)	4283572223 (0xFF521FFF)
YUV	71.7850, 90.3250, 8.9586
Hunter-Lab	31.6130, 69.0097, -156.7486

Details

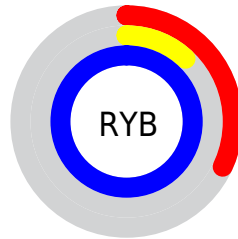
The XYZ color **22.0197, 9.9938, 95.3762** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **60.9037, 84.4535, 14.3869**, and the grayscale version is **5.9787, 6.2901, 6.8499**.

A 20% lighter version of the original color is **34.9488, 21.2348, 96.8645**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **20.1163, 8.3737, 95.1638**, and if you desaturate by 10%, it is **24.9341, 12.9037, 95.7842**.

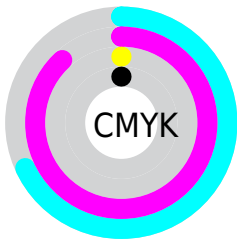
Distribution



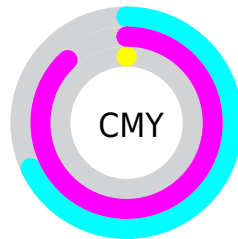
- Red (32%)
- Green (12%)
- Blue (100%)



- Red (32%)
- Yellow (12%)
- Blue (100%)



- Cyan (68%)
- Magenta (88%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (88%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0197, 9.9938, 95.3762 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 22.0197, 9.9938, 95.3762 by changing the saturation by 10% instead.

■ 22.0197, 9.9938,
95.3762

■ 22.0197, 9.9938,
95.3762

255.2796,
190.6278, 566.3837

■ 13.9881, 5.3948,
71.8495

■ 46.2572, 25.7838,
156.7843

■ 8.1940, 2.4807,
52.5497

■ 63.1937, 37.7437,
195.5028

■ 4.2722, 0.8670,
37.0581

■ 83.8292, 52.9260,
240.1222

■ 1.8572, 0.0000,
24.9564

■ 108.5292, 71.7152,
291.0613

■ 0.5518, 0.0000,
15.8258

■ 137.6588, 94.4955,
348.7384

■ 0.0000, 0.0000,
9.2480

■ 171.5835,

■ 0.0000, 0.0000,

121.6515, 413.5722

4.8043

210.6686,
153.5674, 485.9811

■ 0.0000, 0.0000,
2.0762

■ 0.0000, 0.0000,
0.6015

■ 22.0197, 9.9938,
95.3762

■ 22.0197, 9.9938,
95.3762

■ 20.1163, 8.3737,
95.1638

■ 24.9341, 12.9037,
95.7842

■ 19.7995, 8.1219,
95.1319

■ 29.0074, 17.3469,
96.4272

■ 34.3585, 23.5086,
97.3345

■ 41.0900, 31.5470,
98.5312

■ 49.2934, 41.6018,
100.0397

■ 59.0521, 53.7995,
101.8797

■ 70.4431, 68.2558,
104.0697

■ 83.5381, 85.0782,
106.6266

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



11.5639, 9.9938, 136.5655



22.0197, 9.9938, 95.3762



31.5798, 9.9938, 37.8546

Triad

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



22.0197, 9.9938, 95.3762



16.6651, 9.9938, 0.0000



0.9890, 9.9938, 17.4024

Complementary

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



22.0197, 9.9938, 95.3762



60.9037, 84.4535, 14.3869

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.



1.2416, 9.9938, 1.2397



22.0197, 9.9938, 95.3762



7.6955, 9.9938, 0.0000

Square

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



22.0197, 9.9938, 95.3762



27.4703, 9.9938, 0.0000



2.9412, 9.9938, 0.0000



1.8084, 9.9938, 64.3832

Rectangle

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



22.0197, 9.9938, 95.3762



34.2401, 9.9938, 13.0720



2.9412, 9.9938, 0.0000



0.9657, 9.9938, 8.9506

Sweetspot

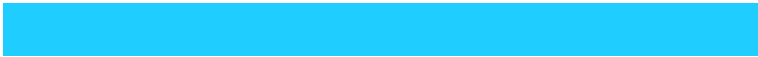
The Sweet Spot groups the original color and five complimentary colors.



22.0204, 9.9939, 95.3761



61.0303, 56.2954, 102.2572



40.7982, 51.8779, 102.4709



12.2784, 11.0609, 21.7378



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.



22.0204, 9.9939, 95.3761



19.7995, 8.1219, 95.1319



40.1594, 19.3449, 96.2250



17.3900, 17.5773, 22.7261



10.4514, 4.2984, 49.7134



1.1076, 0.4649, 4.8446

Inverse Universe

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



52.6265, 26.5982, 59.4746



51.3091, 25.2876, 54.9530



40.6707, 74.0230, 13.4400



18.6052, 18.2254, 21.8043



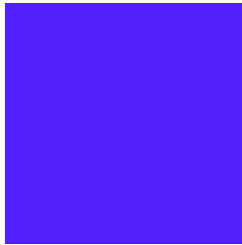
26.8697, 13.2372, 29.0279



2.6574, 1.3053, 3.0432

Previews

White Background



This preview shows how the XYZ color 22.0197, 9.9938, 95.3762 looks on a white background.

Color Contrast Check

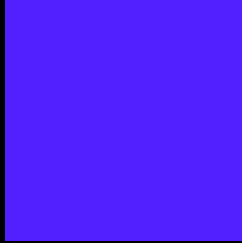
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0197, 9.9938, 95.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0197, 9.9938, 95.3762

Background



This preview shows how black text looks on a background with the XYZ color 22.0197, 9.9938, 95.3762.

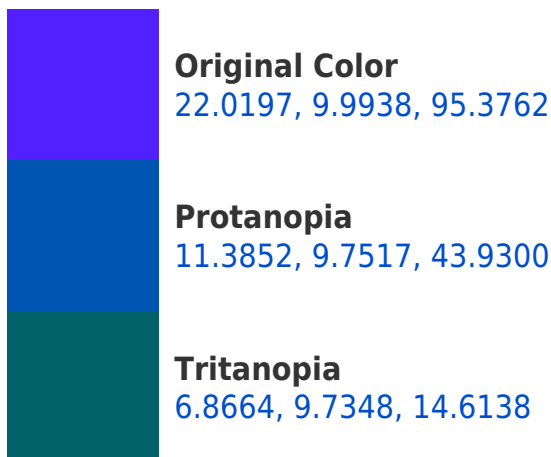


This preview shows how white text looks on a background with the XYZ color 22.0197, 9.9938,

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



Trichromacy



Original Color

22.0197, 9.9938, 95.3762

Protanomaly

13.6882, 8.5616, 59.9626

Tritanomaly

9.2422, 7.6768, 33.7955

Monochromacy



Original Color

22.0197, 9.9938, 95.3762

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

9.1038, 6.3268, 25.1675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0197, 9.9938, 95.3762 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(82, 31, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 31, 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(82, 31, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 31, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.0197, 9.9938, 95.3762 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(82, 31, 255) }
```

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

```
.border{ border-color:rgb(82, 31, 255) }
```

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

Here you see how a box with a 4 pixel rgb(82, 31, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 31, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 31, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 31,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 22.0197, 9.9938, 95.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 31, 255) }
```

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

```
.background{ background-color: rgb(82, 31,  
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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