

Converting Colors

XYZ(22.1459, 9.3315, 95.2417)

Have a look what the booklet for
XYZ(22.1459, 9.3315, 95.2417)
contains.

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Color

**XYZ(22.1698, 9.3438,
95.2428)**

Conversions

Conversions Part 1

Format	Color
Hex	5900FF
RGB	89, 0, 255
RGB Percent	35%, 0%, 100%
CMY	0.6509, 1.0000, 0.0000
CMYK	0.65, 1.00, 0.00, 0.00
HSL	261°, 100%, 50%
HSV	261°, 100%, 100%
XYZ	22.1698, 9.3438, 95.2428
YIQ	55.6810, -28.8110, 98.1730

Conversions

Conversions Part 2

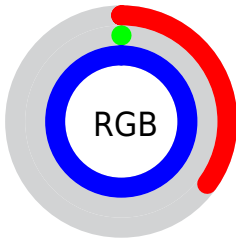
Format	Color
RYB	89, 0, 255
Decimal	5832959
CIELab	36.64, 80.90, -100.52
CIELCh	37, 129.027, 308.826
Yxy	9.3438, 0.1749, 0.0737
Android (android.graphics.Color)	4284023039 (0xFF5900FF)
YUV	55.6810, 98.2643, 29.2208
Hunter-Lab	30.5676, 75.9674, -163.3388

Details

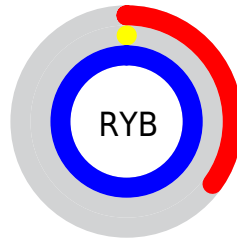
The XYZ color **22.1698, 9.3438, 95.2428** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **51.4839, 79.6260, 12.6559**, and the grayscale version is **3.6002, 3.7877, 4.1248**.

A 20% lighter version of the original color is **35.0020, 19.8987, 96.6038**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **22.1707, 9.3443, 95.2428**, and if you desaturate by 10%, it is **24.3059, 10.9771, 95.4455**.

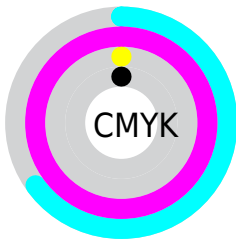
Distribution



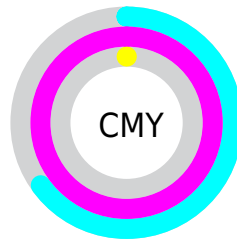
- Red (35%)
- Green (0%)
- Blue (100%)



- Red (35%)
- Yellow (0%)
- Blue (100%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1698, 9.3438, 95.2428 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 22.1698, 9.3438, 95.2428 by changing the saturation by 10% instead.

 22.1698, 9.3438,
95.2428

 22.1698, 9.3438,
95.2428


256.0475,
185.9223, 565.9462


 14.0990, 4.9661,
71.7391


 46.5032, 24.5537,
156.5985


 8.2717, 2.2274,
52.4600

 63.4966, 36.1547,
195.2875


 4.3226, 0.7349,
36.9871


 84.1949, 50.9323,
239.8753

 1.8862, 0.0000,
24.9018

 108.9635, 69.2708,
290.7806

 0.5688, 0.0000,
15.7856

 138.1676, 91.5547,
348.4217


 0.0000, 0.0000,
9.2198


 172.1728,


 0.0000, 0.0000,


118.1683, 413.2174


4.7861


 211.3443,
149.4960, 485.5860


 0.0000, 0.0000,
2.0658


 0.0000, 0.0000,
0.5953


 22.1698, 9.3438,
95.2428


 22.1698, 9.3438,
95.2428

 22.1707, 9.3443,
95.2428

 24.3059, 10.9771,
95.4455

 27.2893, 13.7404,
95.8216

 31.2842, 17.9304,
96.4198

 36.3969, 23.7315,
97.2701

■ 42.7184, 31.2994,
98.3976

■ 50.3294, 40.7707,
99.8246

■ 59.3029, 52.2681,
101.5709

■ 69.7064, 65.9041,
103.6546

■ 81.6025, 81.7824,
106.0924

Harmonies

Analogous

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



11.4146, 9.3438, 141.4997



22.1698, 9.3438, 95.2428



31.8260, 9.3438, 35.2727

Triad

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



22.1698, 9.3438, 95.2428



15.5546, 9.3438, 0.0000



0.7427, 9.3438, 18.3901

Complementary

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



22.1698, 9.3438, 95.2428



51.4839, 79.6260, 12.6559

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.



0.9204, 9.3438, 1.1714



22.1698, 9.3438, 95.2428



6.7531, 9.3438, 0.0000

Square

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



22.1698, 9.3438, 95.2428



26.6863, 9.3438, 0.0000



2.3660, 9.3438, 0.0000



1.5345, 9.3438, 68.8340

Rectangle

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



22.1698, 9.3438, 95.2428



34.2741, 9.3438, 11.0886



2.3660, 9.3438, 0.0000



0.7061, 9.3438, 9.3107

Sweetspot

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



22.1707, 9.3443, 95.2428



59.3029, 52.2681, 101.5709



32.4247, 35.9695, 99.8416



11.8469, 10.0955, 21.5742



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.



22.1707, 9.3443, 95.2428



45.3458, 21.2915, 96.3274



17.6010, 17.6860, 22.7360



11.7296, 4.9573, 49.7732



1.2548, 0.5408, 4.8515

Inverse Universe

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



48.1221, 24.0128, 38.1704



36.7354, 72.0228, 11.9656



18.5076, 18.1863, 21.2900



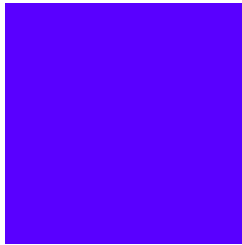
25.2181, 12.5765, 20.3310



2.5071, 1.2452, 2.2519

Previews

White Background



This preview shows how the XYZ color 22.1698, 9.3438, 95.2428 looks on a white background.

Color Contrast Check

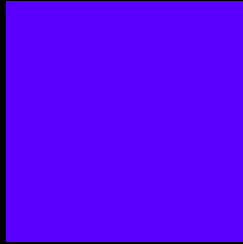
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1698, 9.3438, 95.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

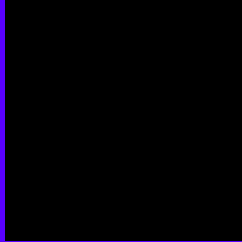
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1698, 9.3438, 95.2428

Background



This preview shows how black text looks on a background with the XYZ color 22.1698, 9.3438, 95.2428.



This preview shows how white text looks on a background with the XYZ color 22.1698, 9.3438,

95.2428.

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

22.1698, 9.3438, 95.2428

Protanopia

11.0068, 9.4752, 42.3231

Deuteranopia

9.1612, 9.5143, 30.2078



Tritanopia

6.7229, 9.5287, 14.3168

Trichromacy



Original Color

22.1698, 9.3438, 95.2428

Protanomaly

12.8882, 7.2611, 58.4798

Deuteranomaly

11.1359, 6.8642, 48.3149

Tritanomaly

8.4898, 6.2209, 33.1011

Monochromacy



Original Color

22.1698, 9.3438, 95.2428

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.9111, 4.0492, 20.8394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1698, 9.3438, 95.2428 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(89, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 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(89, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.1698, 9.3438, 95.2428 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(89, 0, 255) }
```

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

```
.border{ border-color:rgb(89, 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(89, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.1698, 9.3438, 95.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 0, 255) }
```

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

```
.background{ background-color: rgb(89, 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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