

Converting Colors

XYZ(22.1000, 9.3079, 95.2395)

Have a look what the booklet for
XYZ(22.1000, 9.3079, 95.2395)
contains.

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Color

**XYZ(22.0745, 9.2947,
95.2383)**

Conversions

Conversions Part 1

Format	Color
Hex	5800FF
RGB	88, 0, 255
RGB Percent	35%, 0%, 100%
CMY	0.6549, 1.0000, 0.0000
CMYK	0.65, 1.00, 0.00, 0.00
HSL	261°, 100%, 50%
HSV	261°, 100%, 100%
XYZ	22.0745, 9.2947, 95.2383
YIQ	55.3820, -29.4070, 97.9610

Conversions

Conversions Part 2

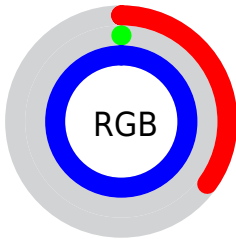
Format	Color
RYB	88, 0, 255
Decimal	5767423
CIELab	36.55, 80.85, -100.67
CIELCh	37, 129.121, 308.768
Yxy	9.2947, 0.1744, 0.0734
Android (android.graphics.Color)	4283957503 (0xFF5800FF)
YUV	55.3820, 98.4117, 28.6060
Hunter-Lab	30.4872, 75.8917, -163.8736

Details

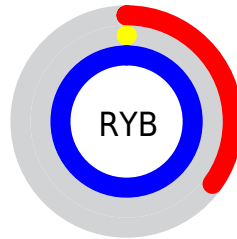
The XYZ color **22.0745, 9.2947, 95.2383** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **51.6943, 79.7344, 12.6657**, and the grayscale version is **3.5626, 3.7482, 4.0818**.

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 **22.0754, 9.2952, 95.2384**, and if you desaturate by 10%, it is **24.2000, 10.9225, 95.4405**.

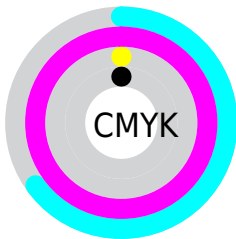
Distribution



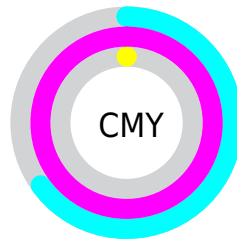
- Red (35%)
- Green (0%)
- Blue (100%)



- 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 22.0745, 9.2947, 95.2383 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 22.0745, 9.2947, 95.2383 by changing the saturation by 10% instead.

■ 22.0745, 9.2947,
95.2383

■ 22.0745, 9.2947,
95.2383

255.5601,
185.5614, 565.9314

■ 14.0286, 4.9339,
71.7353

■ 46.3470, 24.4602,
156.5922

■ 8.2224, 2.2085,
52.4570

■ 63.3043, 36.0336,
195.2802

■ 4.2906, 0.7246,
36.9847

■ 83.9628, 50.7801,
239.8670

■ 1.8678, 0.0000,
24.9000

■ 108.6878, 69.0840,
290.7711

■ 0.5580, 0.0000,
15.7842

■ 137.8447, 91.3296,
348.4111


■ 0.0000, 0.0000,
9.2189


■ 171.7988,


■ 0.0000, 0.0000,


117.9015, 413.2054

4.7855


 210.9155,
149.1839, 485.5727

 0.0000, 0.0000,
2.0654


 0.0000, 0.0000,
0.5951


 22.0745, 9.2947,
95.2383


 22.0745, 9.2947,
95.2383

 22.0754, 9.2952,
95.2384

 24.2000, 10.9225,
95.4405

 27.1763, 13.6821,
95.8163

 31.1680, 17.8704,
96.4144

 36.2817, 23.6721,
97.2647

■ 42.6089, 31.2430,
98.3925

■ 50.2306, 40.7198,
99.8200

■ 59.2201, 52.2255,
101.5670

■ 69.6453, 65.8725,
103.6517

■ 81.5689, 81.7650,
106.0908

Harmonies

Analogous

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



11.3434, 9.2947, 141.4109



22.0745, 9.2947, 95.2383



31.7278, 9.2947, 35.2711

Triad

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



22.0745, 9.2947, 95.2383



15.5135, 9.2947, 0.0000



0.7302, 9.2947, 18.2532

Complementary

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



22.0745, 9.2947, 95.2383



51.6943, 79.7344, 12.6657

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.



0.9090, 9.2947, 1.1464



22.0745, 9.2947, 95.2383



6.7255, 9.2947, 0.0000

Square

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



22.0745, 9.2947, 95.2383



26.6272, 9.2947, 0.0000



2.3488, 9.2947, 0.0000



1.5144, 9.2947, 68.5903

Rectangle

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



22.0745, 9.2947, 95.2383



34.1857, 9.2947, 11.0796



2.3488, 9.2947, 0.0000



0.6941, 9.2947, 9.2182

Sweetspot

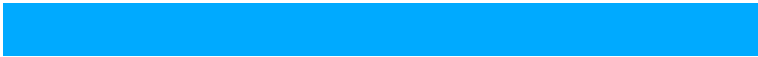
The Sweet Spot groups the original color and five complimentary colors.



22.0754, 9.2952, 95.2384



59.2201, 52.2255, 101.5670



32.4247, 35.9695, 99.8416



11.8276, 10.0855, 21.5733



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.



22.0754, 9.2952, 95.2384



45.3458, 21.2915, 96.3274



17.5941, 17.6825, 22.7357



11.6788, 4.9311, 49.7708



1.2492, 0.5379, 4.8513

Inverse Universe

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



48.2141, 24.0497, 38.6553



36.7354, 72.0228, 11.9656



18.5107, 18.1876, 21.3065



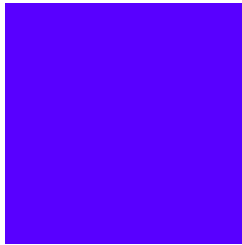
25.2660, 12.5957, 20.5829



2.5115, 1.2470, 2.2752

Previews

White Background



This preview shows how the XYZ color 22.0745, 9.2947, 95.2383 looks on a white background.

Color Contrast Check

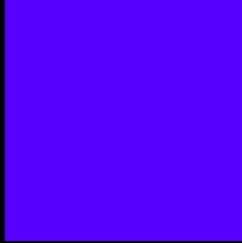
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0745, 9.2947, 95.2383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

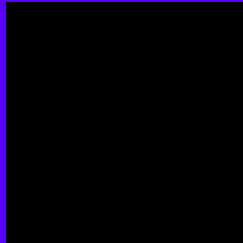
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.0745, 9.2947, 95.2383

Background



This preview shows how black text looks on a background with the XYZ color 22.0745, 9.2947, 95.2383.



This preview shows how white text looks on a background with the XYZ color 22.0745, 9.2947,

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

22.0745, 9.2947, 95.2383

Protanopia

11.0068, 9.4752, 42.3231

Deuteranopia

9.1612, 9.5143, 30.2078



Tritanopia

6.6311, 9.3450, 14.2862

Trichromacy



Original Color

22.0745, 9.2947, 95.2383

Protanomaly

12.8882, 7.2611, 58.4798

Deuteranomaly

11.1359, 6.8642, 48.3149

Tritanomaly

8.4360, 6.1132, 33.0831

Monochromacy



Original Color

22.0745, 9.2947, 95.2383

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 22.0745, 9.2947, 95.2383 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(88, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.0745, 9.2947, 95.2383 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(88, 0, 255) }
```

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

```
.border{ border-color:rgb(88, 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(88, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(88, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.0745, 9.2947, 95.2383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 255) }
```

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

```
.background{ background-color: rgb(88, 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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