

Converting Colors

XYZ(20.9540, 8.8566, 88.8842)

Have a look what the booklet for
XYZ(20.9540, 8.8566, 88.8842)
contains.

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Color

**XYZ(20.9083, 8.8392,
88.5998)**

Conversions

Conversions Part 1

Format	Color
Hex	5900F7
RGB	89, 0, 247
RGB Percent	35%, 0%, 97%
CMY	0.6509, 1.0000, 0.0314
CMYK	0.64, 1.00, 0.00, 0.03
HSL	262°, 100%, 48%
HSV	262°, 100%, 97%
XYZ	20.9083, 8.8392, 88.5998
YIQ	54.7690, -26.2430, 95.6850

Conversions

Conversions Part 2

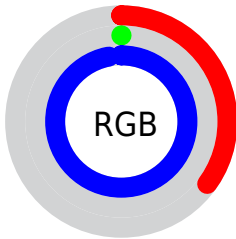
Format	Color
RYB	89, 0, 247
Decimal	5832951
CIELab	35.67, 79.10, -97.63
CIElCh	36, 125.652, 309.016
Yxy	8.8392, 0.1767, 0.0747
Android (android.graphics.Color)	4284023031 (0xFF5900F7)
YUV	54.7690, 94.7699, 30.0206
Hunter-Lab	29.7308, 73.5020, -155.8767

Details

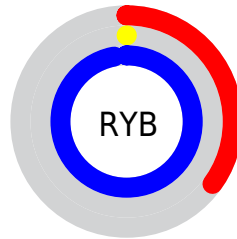
The XYZ color **20.9083, 8.8392, 88.5998** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **47.3597, 73.7900, 11.7468**, and the grayscale version is **3.4906, 3.6724, 3.9992**.

A 20% lighter version of the original color is **34.7350, 19.6580, 96.5714**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **20.9092, 8.8397, 88.6002**, and if you desaturate by 10%, it is **22.9330, 10.3896, 88.7927**.

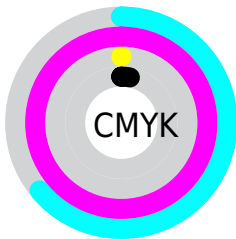
Distribution



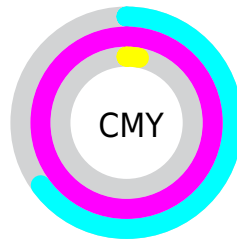
- Red (35%)
- Green (0%)
- Blue (97%)



- Red (35%)
- Yellow (0%)
- Blue (97%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)




- Cyan (65%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9083, 8.8392, 88.5998 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 20.9083, 8.8392, 88.5998 by changing the saturation by 10% instead.


 20.9083, 8.8392,
88.5998


 20.9083, 8.8392,
88.5998


249.5317,
182.1738, 543.9176


 13.1691, 4.6364,
66.2528

 44.4273, 23.5879,
147.3104


 7.6229, 2.0356,
48.0198


 60.9378, 34.9027,
184.5110

 3.9044, 0.6280,
33.4825


 81.1027, 49.3569,
227.4999

 1.6482, 0.0000,
22.2222

 105.2875, 67.3350,
276.6957

 0.4235, 0.0000,
13.8204

 133.8574, 89.2213,
332.5168


 0.0000, 0.0000,
7.8585


 167.1778,


 0.0000, 0.0000,

115.4003, 395.3817

3.9181


 205.6141,
146.2563, 465.7092


 0.0000, 0.0000,
1.5805


 0.0000, 0.0000,
0.2769


 20.9083, 8.8392,
88.5998


 20.9083, 8.8392,
88.5998

 20.9092, 8.8397,
88.6002

 22.9330, 10.3896,
88.7927

 25.7339, 12.9823,
89.1455

 29.4635, 16.8947,
89.7041

 34.2189, 22.2965,
90.4961

■ 40.0832, 29.3311,
91.5448

■ 47.1301, 38.1242,
92.8707

■ 55.4265, 48.7891,
94.4919

■ 65.0339, 61.4291,
96.4253

■ 76.0097, 76.1401,
98.6863

Harmonies

Analogous

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



10.8325, 8.8392, 131.8783



20.9083, 8.8392, 88.5998



29.8981, 8.8392, 32.8122

Triad

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



20.9083, 8.8392, 88.5998



14.5912, 8.8392, 0.0000



0.7241, 8.8392, 17.5205

Complementary

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



20.9083, 8.8392, 88.5998



47.3597, 73.7900, 11.7468

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.



0.8906, 8.8392, 1.1669



20.9083, 8.8392, 88.5998



6.3643, 8.8392, 0.0000

Square

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



20.9083, 8.8392, 88.5998



24.9991, 8.8392, 0.0000



2.2528, 8.8392, 0.0000



1.4887, 8.8392, 64.7593

Rectangle

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



20.9083, 8.8392, 88.5998



32.1453, 8.8392, 10.3406



2.2528, 8.8392, 0.0000



0.6867, 8.8392, 8.9420

Sweetspot

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



20.9092, 8.8397, 88.6002



59.5424, 52.3916, 101.5821



29.4550, 32.0482, 92.6295



11.9028, 10.1243, 21.5768



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.



20.9092, 8.8397, 88.6002



22.4528, 9.4897, 95.2560



43.3527, 20.4098, 89.6505



16.1448, 16.2173, 20.8219



11.1992, 4.7477, 46.8642



1.0925, 0.4731, 4.1240

Inverse Universe

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



44.5287, 22.2425, 34.2902



47.8606, 23.9082, 36.7934



34.0256, 66.9160, 11.1227



16.9454, 16.6610, 19.4590



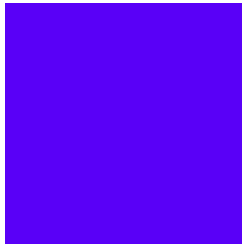
23.6201, 11.7915, 18.5056



2.1250, 1.0560, 1.8848

Previews

White Background



This preview shows how the XYZ color 20.9083, 8.8392, 88.5998 looks on a white background.

Color Contrast Check

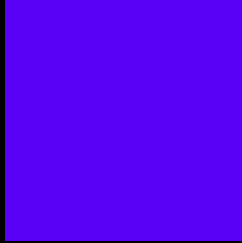
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9083, 8.8392, 88.5998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

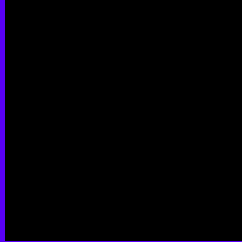
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9083, 8.8392, 88.5998

Background



This preview shows how black text looks on a background with the XYZ color 20.9083, 8.8392, 88.5998.



This preview shows how white text looks on a background with the XYZ color 20.9083, 8.8392,

88.5998.

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

20.9083, 8.8392, 88.5998

Protanopia

10.4637, 9.0131, 40.2179

Deuteranopia

8.6780, 9.0548, 28.4845



Tritanopia

6.3517, 8.9450, 13.7037

Trichromacy



Original Color

20.9083, 8.8392, 88.5998

Protanomaly

12.1325, 6.8866, 54.7226

Deuteranomaly

10.5571, 6.5543, 45.5084

Tritanomaly

8.0443, 5.8719, 31.2813

Monochromacy



Original Color

20.9083, 8.8392, 88.5998

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.6174, 3.8760, 19.8014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9083, 8.8392, 88.5998 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(89, 0, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 20.9083, 8.8392, 88.5998 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, 247) }
```


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

```
.border{ border-color:rgb(89, 0, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(89, 0, 247)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.9083, 8.8392, 88.5998 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, 247) }
```

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

```
.background{ background-color: rgb(89, 0,  
247) }
```

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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