

Converting Colors

XYZ(20.8365, 8.7501, 90.9510)

Have a look what the booklet for
XYZ(20.8365, 8.7501, 90.9510)
contains.

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Color

**XYZ(20.8226, 8.7411,
91.0322)**

Conversions

Conversions Part 1

Format	Color
Hex	5300FA
RGB	83, 0, 250
RGB Percent	33%, 0%, 98%
CMY	0.6745, 1.0000, 0.0196
CMYK	0.67, 1.00, 0.00, 0.02
HSL	260°, 100%, 49%
HSV	260°, 100%, 98%
XYZ	20.8226, 8.7411, 91.0322
YIQ	53.3170, -30.7820, 95.3460

Conversions

Conversions Part 2

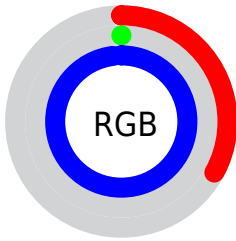
Format	Color
R_{YB}	83, 0, 250
Decimal	5439738
CIE Lab	35.48, 79.52, -99.65
CIE LCh	35, 127.489, 308.588
Yxy	8.7411, 0.1727, 0.0725
Android (android.graphics.Color)	4283629818 (0xFF5300FA)
YUV	53.3170, 96.9647, 26.0320
Hunter-Lab	29.5654, 73.9765, -161.8591

Details

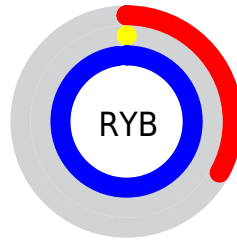
The XYZ color **20.8226, 8.7411, 91.0322** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **50.1200, 76.5859, 12.1410**, and the grayscale version is **3.3120, 3.4845, 3.7946**.

A 20% lighter version of the original color is **33.9609, 19.2589, 96.5351**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **20.8236, 8.7416, 91.0326**, and if you desaturate by 10%, it is **22.8264, 10.2902, 91.2259**.

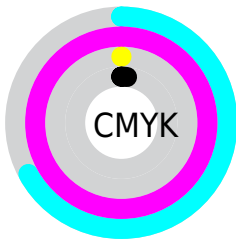
Distribution



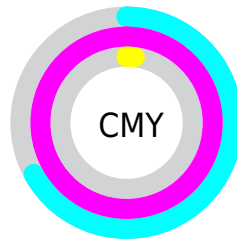
- Red (33%)
- Green (0%)
- Blue (98%)



- Red (33%)
- Yellow (0%)
- Blue (98%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (67%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8226, 8.7411, 91.0322 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 20.8226, 8.7411, 91.0322 by changing the saturation by 10% instead.


 20.8226, 8.7411,
91.0322


 20.8226, 8.7411,
91.0322


249.0838,
181.4346, 552.0394


 13.1061, 4.5727,
68.2585


 44.2856, 23.3990,
150.7194

 7.5792, 1.9988,
49.6401


 60.7628, 34.6573,
188.4699


 3.8764, 0.6068,
34.7583


 80.8910, 49.0477,
232.0499

 1.6324, 0.0000,
23.1947

 105.0355, 66.9545,
281.8778

 0.4134, 0.0000,
14.5307

 133.5617, 88.7622,
338.3721

 0.0000, 0.0000,
8.3477


 166.8349,


 0.0000, 0.0000,

114.8552, 401.9515

4.2273


 205.2205,
145.6179, 473.0344


 0.0000, 0.0000,
1.7509


 0.0000, 0.0000,
0.3952

 20.8226, 8.7411,
91.0322


 20.8226, 8.7411,
91.0322

 20.8236, 8.7416,
91.0326

 22.8264, 10.2902,
91.2259

 25.6528, 12.9244,
91.5854

 29.4613, 16.9296,
92.1578

 34.3546, 22.4822,
92.9716

■ 40.4211, 29.7311,
94.0511

■ 47.7388, 38.8073,
95.4172

■ 56.3790, 49.8283,
97.0891

■ 66.4069, 62.9017,
99.0840

■ 77.8834, 78.1272,
101.4180

Harmonies

Analogous

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



10.6353, 8.7411, 134.9249



20.8226, 8.7411, 91.0322



30.0418, 8.7411, 33.7123

Triad

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



20.8226, 8.7411, 91.0322



14.7091, 8.7411, 0.0000



0.6561, 8.7411, 17.0493

Complementary

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



20.8226, 8.7411, 91.0322



50.1200, 76.5859, 12.1410

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.



0.8360, 8.7411, 1.0241



20.8226, 8.7411, 91.0322



6.3480, 8.7411, 0.0000

Square

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



20.8226, 8.7411, 91.0322



25.2804, 8.7411, 0.0000



2.1949, 8.7411, 0.0000



1.3892, 8.7411, 64.8555

Rectangle

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



20.8226, 8.7411, 91.0322



32.4201, 8.7411, 10.5642



2.1949, 8.7411, 0.0000



0.6221, 8.7411, 8.5424

Sweetspot

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



20.8236, 8.7416, 91.0326



58.9448, 52.0835, 101.5541



31.7869, 35.9651, 95.7094



11.7635, 10.0525, 21.5703



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.



20.8236, 8.7416, 91.0326



21.7665, 9.1359, 95.2239



42.2030, 19.7631, 92.0331



16.8260, 16.9229, 21.7649



11.1808, 4.7066, 48.2927



1.1428, 0.4912, 4.4778

Inverse Universe

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



46.3986, 23.1137, 38.5703



48.5269, 24.1748, 40.3025



35.3049, 68.9484, 11.4476



17.7337, 17.4208, 20.4532



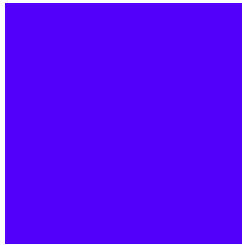
24.6807, 12.2880, 20.8245



2.3349, 1.1577, 2.1872

Previews

White Background



This preview shows how the XYZ color 20.8226, 8.7411, 91.0322 looks on a white background.

Color Contrast Check

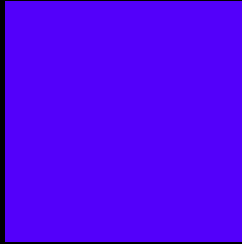
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8226, 8.7411, 91.0322 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 20.8226, 8.7411, 91.0322

Background



This preview shows how black text looks on a background with the XYZ color 20.8226, 8.7411, 91.0322.



This preview shows how white text looks on a background with the XYZ color 20.8226, 8.7411,

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

20.8226, 8.7411, 91.0322

Protanopia

10.3680, 8.9749, 39.7139

Deuteranopia

8.5190, 8.8607, 28.0494



Tritanopia

6.3030, 8.9255, 13.4472

Trichromacy



Original Color

20.8226, 8.7411, 91.0322

Protanomaly

12.1887, 6.9021, 55.3334

Deuteranomaly

10.4489, 6.4273, 45.4896

Tritanomaly

8.0677, 5.8743, 31.7190

Monochromacy



Original Color

20.8226, 8.7411, 91.0322

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

6.3881, 3.7147, 19.7824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8226, 8.7411, 91.0322 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(83, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 250)  
}
```

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(83, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 20.8226, 8.7411, 91.0322 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(83, 0, 250) }
```


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

```
.border{ border-color:rgb(83, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(83, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(83, 0, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8226, 8.7411, 91.0322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 250) }
```

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

```
.background{ background-color: rgb(83, 0,  
250) }
```

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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