

Converting Colors

XYZ(20.7973, 8.8350, 86.1987)

Have a look what the booklet for
XYZ(20.7973, 8.8350, 86.1987)
contains.

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Color

**XYZ(20.8433, 8.8588,
86.1993)**

Conversions

Conversions Part 1

Format	Color
Hex	5D00F4
RGB	93, 0, 244
RGB Percent	36%, 0%, 96%
CMY	0.6353, 1.0000, 0.0431
CMYK	0.62, 1.00, 0.00, 0.04
HSL	263°, 100%, 48%
HSV	263°, 100%, 96%
XYZ	20.8433, 8.8588, 86.1993
YIQ	55.6230, -22.8960, 95.6000

Conversions

Conversions Part 2

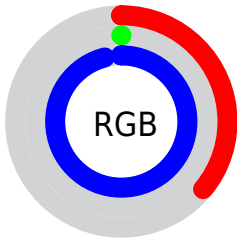
Format	Color
RYB	93, 0, 244
Decimal	6095092
CIELab	35.71, 78.63, -95.86
CIELCh	36, 123.980, 309.359
Yxy	8.8588, 0.1798, 0.0764
Android (android.graphics.Color)	4284285172 (0xFF5D00F4)
YUV	55.6230, 92.8699, 32.7796
Hunter-Lab	29.7637, 72.9155, -150.8762

Details

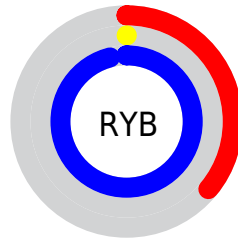
The XYZ color **20.8433, 8.8588, 86.1993** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **45.1119, 71.2802, 11.3808**, and the grayscale version is **3.5989, 3.7863, 4.1233**.

A 20% lighter version of the original color is **35.4018, 20.1048, 96.6225**, and **8.8629, 3.5452, 46.6715** is the 20% darker color. If you saturate the color by 10%, you get **20.8442, 8.8592, 86.1996**, and if you desaturate by 10%, it is **22.8615, 10.3964, 86.3900**.

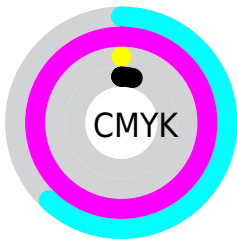
Distribution



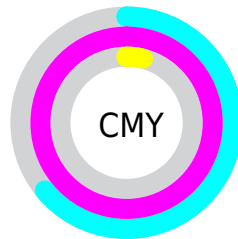
- Red (36%)
- Green (0%)
- Blue (96%)



- Red (36%)
- Yellow (0%)
- Blue (96%)



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)



- Cyan (64%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8433, 8.8588, 86.1993 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 20.8433, 8.8588, 86.1993 by changing the saturation by 10% instead.

 20.8433, 8.8588,
86.1993


 20.8433, 8.8588,
86.1993


249.1920,
182.3210, 535.8359


 13.1213, 4.6492,
64.2770


 44.3198, 23.6256,
143.9366


 7.5897, 2.0429,
46.4274


 60.8051, 34.9516,
180.5886


 3.8831, 0.6322,
32.2321


 80.9422, 49.4186,
222.9876

 1.6362, 0.0000,
21.2726

 105.0964, 67.4109,
271.5521

 0.4159, 0.0000,
13.1302

 133.6332, 89.3128,
326.7006


 0.0000, 0.0000,
7.3865


 166.9178,


 0.0000, 0.0000,

115.5089, 388.8517

3.6229

 205.3156,
146.3835, 458.4240


 0.0000, 0.0000,
1.4208


 0.0000, 0.0000,
0.1579


 20.8433, 8.8588,
86.1993


 20.8433, 8.8588,
86.1993

 20.8442, 8.8592,
86.1996

 22.8615, 10.3964,
86.3900

 25.6171, 12.9378,
86.7353

 29.2568, 16.7525,
87.2798

 33.8730, 22.0042,
88.0502

■ 39.5447, 28.8311,
89.0690

■ 46.3422, 37.3545,
90.3559

■ 54.3287, 47.6836,
91.9287

■ 63.5630, 59.9181,
93.8035

■ 74.0992, 74.1503,
95.9952

Harmonies

Analogous

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



10.9178, 8.8588, 128.7417



20.8433, 8.8588, 86.1993



29.6003, 8.8588, 31.9202

Triad

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



20.8433, 8.8588, 86.1993



14.4076, 8.8588, 0.0000



0.7713, 8.8588, 17.7808

Complementary

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



20.8433, 8.8588, 86.1993



45.1119, 71.2802, 11.3808

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.



0.9281, 8.8588, 1.2780



20.8433, 8.8588, 86.1993



6.3356, 8.8588, 0.0000

Square

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



20.8433, 8.8588, 86.1993



24.6257, 8.8588, 0.0000



2.2831, 8.8588, 0.0000



1.5587, 8.8588, 64.2848

Rectangle

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



20.8433, 8.8588, 86.1993



31.7328, 8.8588, 10.1030



2.2831, 8.8588, 0.0000



0.7312, 8.8588, 9.2025

Sweetspot

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



20.8442, 8.8592, 86.1996



59.9870, 52.6208, 101.6029



27.9731, 29.8194, 89.8696



12.0068, 10.1779, 21.5817



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.



20.8442, 8.8592, 86.1996



23.0012, 9.7724, 95.2817



43.3272, 20.4496, 87.2518



16.1782, 16.2345, 20.8235



11.4742, 4.8895, 46.8770



1.1191, 0.4868, 4.1252

Inverse Universe

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



42.8937, 21.4673, 31.1579



47.3943, 23.7217, 34.3381



32.9632, 65.0173, 10.8123



16.9303, 16.6550, 19.3793



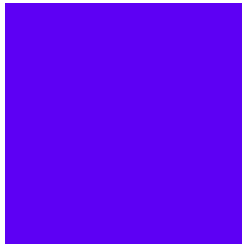
23.3918, 11.7002, 17.3036



2.1059, 1.0483, 1.7840

Previews

White Background



This preview shows how the XYZ color 20.8433, 8.8588, 86.1993 looks on a white background.

Color Contrast Check

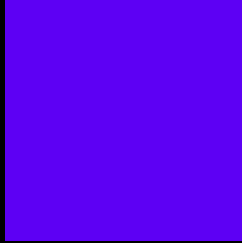
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8433, 8.8588, 86.1993 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 20.8433, 8.8588, 86.1993

Background



This preview shows how black text looks on a background with the XYZ color 20.8433, 8.8588, 86.1993.



This preview shows how white text looks on a background with the XYZ color 20.8433, 8.8588,

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

20.8433, 8.8588, 86.1993

Protanopia

10.5601, 9.0517, 40.7257

Deuteranopia

8.7562, 9.0860, 28.8960



Tritanopia

6.4010, 8.9647, 13.9634

Trichromacy



Original Color

20.8433, 8.8588, 86.1993

Protanomaly

12.1965, 6.9196, 54.7256

Deuteranomaly

10.5174, 6.5458, 44.9651

Tritanomaly

8.1083, 5.9049, 31.2843

Monochromacy



Original Color

20.8433, 8.8588, 86.1993

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.7232, 3.9822, 19.4831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8433, 8.8588, 86.1993 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(93, 0, 244)` looks like.

```
.text, #text, p{  
    color:rgb(93, 0, 244)  
}
```

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(93, 0, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 0, 244) }
```

Border

The CSS property to change the border of an element to XYZ 20.8433, 8.8588, 86.1993 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(93, 0, 244) }
```


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

```
.border{ border-color:rgb(93, 0, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 0, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 0, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 0, 244);  
box-shadow:4px 4px 4px 4px rgb(93, 0, 244)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8433, 8.8588, 86.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 0, 244) }
```

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

```
.background{ background-color: rgb(93, 0,  
244) }
```

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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