

Converting Colors

XYZ(19.1973, 8.7688, 86.1289)

Have a look what the booklet for
XYZ(19.1973, 8.7688, 86.1289)
contains.

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Color

**XYZ(19.2295, 8.7936,
86.2718)**

Conversions

Conversions Part 1

Format	Color
Hex	4420F4
RGB	68, 32, 244
RGB Percent	27%, 13%, 96%
CMY	0.7333, 0.8745, 0.0431
CMYK	0.72, 0.87, 0.00, 0.04
HSL	250°, 91%, 54%
HSV	250°, 87%, 96%
XYZ	19.2295, 8.7936, 86.2718
YIQ	66.9320, -46.5960, 73.5640

Conversions

Conversions Part 2

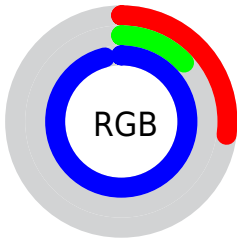
Format	Color
R _Y B	68, 32, 244
Decimal	4464884
CIE Lab	35.58, 71.18, -96.13
CIE LCh	36, 119.616, 306.519
Yxy	8.7936, 0.1682, 0.0769
Android (android.graphics.Color)	4282654964 (0xFF4420F4)
YUV	66.9320, 87.2945, 0.9366
Hunter-Lab	29.6540, 63.8560, -151.7334

Details

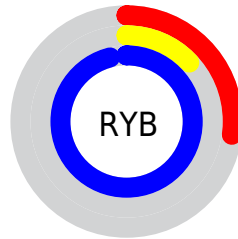
The XYZ color **19.2295, 8.7936, 86.2718** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **58.6188, 78.2132, 13.3731**, and the grayscale version is **5.1969, 5.4675, 5.9542**.

A 20% lighter version of the original color is **32.6951, 19.9502, 96.7353**, and **8.8629, 3.5452, 46.6715** is the 20% darker color. If you saturate the color by 10%, you get **17.6191, 7.3190, 86.0724**, and if you desaturate by 10%, it is **21.8122, 11.4860, 86.6557**.

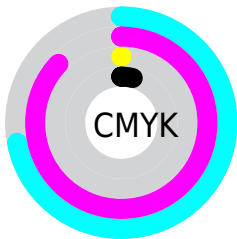
Distribution



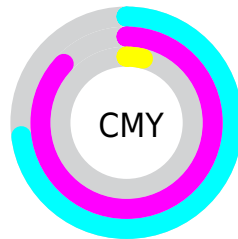
- Red (27%)
- Green (13%)
- Blue (96%)



- Red (27%)
- Yellow (13%)
- Blue (96%)



- Cyan (72%)
- Magenta (87%)
- Yellow (0%)
- Black (4%)



- Cyan (73%)
- Magenta (87%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2295, 8.7936, 86.2718 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 19.2295, 8.7936, 86.2718 by changing the saturation by 10% instead.

■ 19.2295, 8.7936,
86.2718

■ 19.2295, 8.7936,
86.2718

240.6267,
181.8306, 536.0810

■ 11.9412, 4.6068,
64.3366

■ 41.6354, 23.5002,
144.0386

■ 6.7756, 2.0185,
46.4754

■ 57.4838, 34.7887,
180.7073

■ 3.3672, 0.6182,
32.2698

■ 76.9162, 49.2133,
223.1242

■ 1.3508, 0.0000,
21.3011

■ 100.2980, 67.1583,
271.7078

■ 0.2208, 0.0000,
13.1509

■ 127.9946, 89.0082,
326.8768

■ 0.0000, 0.0000,
7.4006

■ 160.3714,

■ 0.0000, 0.0000,

115.1472, 389.0496

3.6316

197.7936,
145.9599, 458.6448

■ 0.0000, 0.0000,
1.4255

■ 0.0000, 0.0000,
0.1615

■ 19.2295, 8.7936,
86.2718

■ 19.2295, 8.7936,
86.2718

■ 17.6191, 7.3190,
86.0724

■ 21.8122, 11.4860,
86.6557

■ 17.2619, 7.0125,
86.0320

■ 25.5041, 15.6067,
87.2565

■ 30.4196, 21.3238,
88.1009

■ 36.6577, 28.7813,
89.2116

44.3070, 38.1072,
90.6085

53.4483, 49.4171,
92.3097

64.1561, 62.8174,
94.3319

76.4999, 78.4067,
96.6903

90.5452, 96.2774,
99.3995

Harmonies

Analogous

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



9.9849, 8.7936, 122.0912



19.2295, 8.7936, 86.2718



27.8393, 8.7936, 34.6904

Triad

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



19.2295, 8.7936, 86.2718



14.9673, 8.7936, 0.0000



0.8431, 8.7936, 14.6644

Complementary

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



19.2295, 8.7936, 86.2718



58.6188, 78.2132, 13.3731

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.



1.0865, 8.7936, 0.9571



19.2295, 8.7936, 86.2718



6.9183, 8.7936, 0.0000

Square

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



19.2295, 8.7936, 86.2718



24.5615, 8.7936, 0.0000



2.6264, 8.7936, 0.0000



1.5288, 8.7936, 55.8731

Rectangle

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



19.2295, 8.7936, 86.2718



30.3469, 8.7936, 12.1174



2.6264, 8.7936, 0.0000



0.8296, 8.7936, 7.4153

Sweetspot

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



19.2302, 8.7937, 86.2721



59.9929, 55.7606, 102.2087



39.6432, 52.2758, 93.5891



12.0383, 10.9370, 21.7265



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.



19.2302, 8.7937, 86.2721



19.0598, 7.7406, 95.0973



34.1525, 16.4864, 86.9704



15.8435, 16.0620, 20.8078



9.4630, 3.8527, 46.7829



0.9051, 0.3764, 4.1152

Inverse Universe

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



49.2076, 24.8190, 61.8599



53.0830, 25.9972, 64.2944



38.1663, 67.6695, 12.4159



17.0857, 16.7171, 20.1977



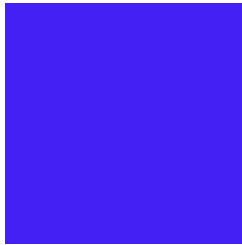
26.1627, 12.8085, 31.8947



2.3307, 1.1383, 2.9679

Previews

White Background



This preview shows how the XYZ color 19.2295, 8.7936, 86.2718 looks on a white background.

Color Contrast Check

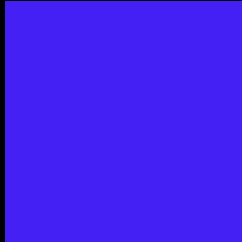
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2295, 8.7936, 86.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

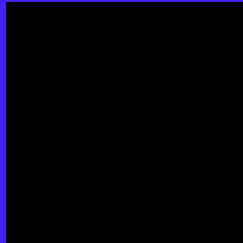
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2295, 8.7936, 86.2718

Background



This preview shows how black text looks on a background with the XYZ color 19.2295, 8.7936, 86.2718.



This preview shows how white text looks on a background with the XYZ color 19.2295, 8.7936,

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

19.2295, 8.7936, 86.2718

Protanopia

9.9365, 8.5645, 38.1752

Deuteranopia

8.2857, 8.6387, 27.2173



Tritanopia

6.0318, 8.5361, 12.8850

Trichromacy



Original Color

19.2295, 8.7936, 86.2718

Protanomaly

12.1422, 7.7472, 53.0799

Deuteranomaly

10.5873, 7.3984, 44.0500

Tritanomaly

8.1770, 6.8214, 30.1638

Monochromacy



Original Color

19.2295, 8.7936, 86.2718

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.7306, 5.4703, 22.1212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2295, 8.7936, 86.2718 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(68, 32, 244)` looks like.

```
.text, #text, p{  
    color:rgb(68, 32, 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(68, 32, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 32, 244) }
```

Border

The CSS property to change the border of an element to XYZ 19.2295, 8.7936, 86.2718 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(68, 32, 244) }
```


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

```
.border{ border-color:rgb(68, 32, 244) }
```

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

Here you see how a box with a 4 pixel rgb(68, 32, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 32, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 32, 244);  
box-shadow:4px 4px 4px 4px rgb(68, 32,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2295, 8.7936, 86.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 32, 244) }
```

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

```
.background{ background-color: rgb(68, 32,  
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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