

Converting Colors

XYZ(19.2060, 8.1504, 87.7502)

Have a look what the booklet for
XYZ(19.2060, 8.1504, 87.7502)
contains.

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Color

**XYZ(19.2085, 8.1584,
87.7511)**

Conversions

Conversions Part 1

Format	Color
Hex	450BF6
RGB	69, 11, 246
RGB Percent	27%, 4%, 96%
CMY	0.7294, 0.9569, 0.0353
CMYK	0.72, 0.96, 0.00, 0.04
HSL	255°, 93%, 50%
HSV	255°, 96%, 96%
XYZ	19.2085, 8.1584, 87.7511
YIQ	55.1320, -40.8670, 85.3810

Conversions

Conversions Part 2

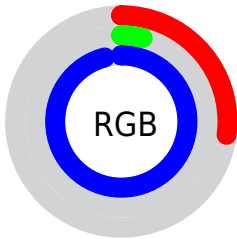
Format	Color
R _Y B	69, 11, 246
Decimal	4525046
CIE Lab	34.31, 76.56, -99.38
CIE LCh	34, 125.451, 307.611
Yxy	8.1584, 0.1669, 0.0709
Android (android.graphics.Color)	4282715126 (0xFF450BF6)
YUV	55.1320, 94.0979, 12.1622
Hunter-Lab	28.5629, 70.0558, -162.1569

Details

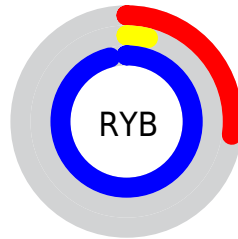
The XYZ color **19.2085, 8.1584, 87.7511** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **53.7478, 76.6235, 12.2731**, and the grayscale version is **3.5365, 3.7207, 4.0518**.

A 20% lighter version of the original color is **32.2760, 18.5981, 96.4964**, and **9.0771, 3.6308, 47.7994** is the 20% darker color. If you saturate the color by 10%, you get **18.5432, 7.6378, 87.6860**, and if you desaturate by 10%, it is **21.2339, 9.9427, 87.9891**.

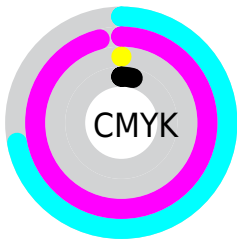
Distribution



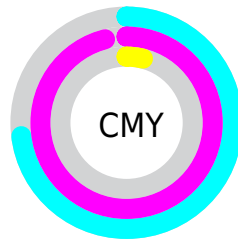
- Red (27%)
- Green (4%)
- Blue (96%)



- Red (27%)
- Yellow (4%)
- Blue (96%)



- Cyan (72%)
- Magenta (96%)
- Yellow (0%)
- Black (4%)



- Cyan (73%)
- Magenta (96%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2085, 8.1584, 87.7511 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 19.2085, 8.1584, 87.7511 by changing the saturation by 10% instead.

■ 19.2085, 8.1584,
87.7511

■ 19.2085, 8.1584,
87.7511

240.5135,
176.9692, 541.0680

■ 11.9259, 4.1965,
65.5538

■ 41.6003, 22.2684,
146.1187

■ 6.7651, 1.7841,
47.4561

■ 57.4402, 33.1852,
183.1260

■ 3.3607, 0.4772,
33.0394

■ 76.8633, 47.1892,
225.9071

■ 1.3472, 0.0000,
21.8853

■ 100.2348, 64.6646,
274.8805

■ 0.2182, 0.0000,
13.5751

■ 127.9203, 85.9959,
330.4648

■ 0.0000, 0.0000,
7.6904


■ 160.2850,


■ 0.0000, 0.0000,


111.5676, 393.0784


3.8126


 197.6943,
141.7638, 463.1400


 0.0000, 0.0000,
1.5231


 0.0000, 0.0000,
0.2350


 19.2085, 8.1584,
87.7511


 19.2085, 8.1584,
87.7511

 18.5432, 7.6378,
87.6860

 21.2339, 9.9427,
87.9891

 24.2115, 12.9728,
88.4170

 28.2637, 17.4458,
89.0668

 33.4919, 23.5229,
89.9642

■ 39.9849, 31.3431,
91.1315

■ 47.8225, 41.0301,
92.5882

■ 57.0777, 52.6963,
94.3522

■ 67.8180, 66.4449,
96.4398

■ 80.1065, 82.3719,
98.8664

Harmonies

Analogous

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



9.6769, 8.1584, 128.0147



19.2085, 8.1584, 87.7511



28.0399, 8.1584, 33.1343

Triad

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



19.2085, 8.1584, 87.7511



14.0925, 8.1584, 0.0000



0.5748, 8.1584, 15.0284

Complementary

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



19.2085, 8.1584, 87.7511



53.7478, 76.6235, 12.2731

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.



0.7786, 8.1584, 0.7952



19.2085, 8.1584, 87.7511



6.1049, 8.1584, 0.0000

Square

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



19.2085, 8.1584, 87.7511



24.0467, 8.1584, 0.0000



2.0996, 8.1584, 0.0000



1.2328, 8.1584, 59.2750

Rectangle

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



19.2085, 8.1584, 87.7511



30.4691, 8.1584, 10.5881



2.0996, 8.1584, 0.0000



0.5505, 8.1584, 7.3717

Sweetspot

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



19.2092, 8.1584, 87.7514



58.2195, 52.4726, 101.6675



35.4387, 44.0575, 93.8252



11.5523, 10.0868, 21.5880



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.



19.2092, 8.1584, 87.7514



20.0976, 8.2756, 95.1458



36.3608, 17.0004, 88.5541



15.9644, 16.1243, 20.8135



10.0040, 4.1316, 46.8082



0.9690, 0.4094, 4.1182

Inverse Universe

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



47.1995, 23.4614, 49.6008



50.7584, 25.0674, 52.0532



35.8136, 67.3780, 11.4338



17.0285, 16.6943, 19.8967



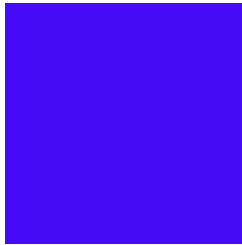
25.0335, 12.3568, 25.9487



2.2407, 1.1023, 2.4941

Previews

White Background



This preview shows how the XYZ color 19.2085, 8.1584, 87.7511 looks on a white background.

Color Contrast Check

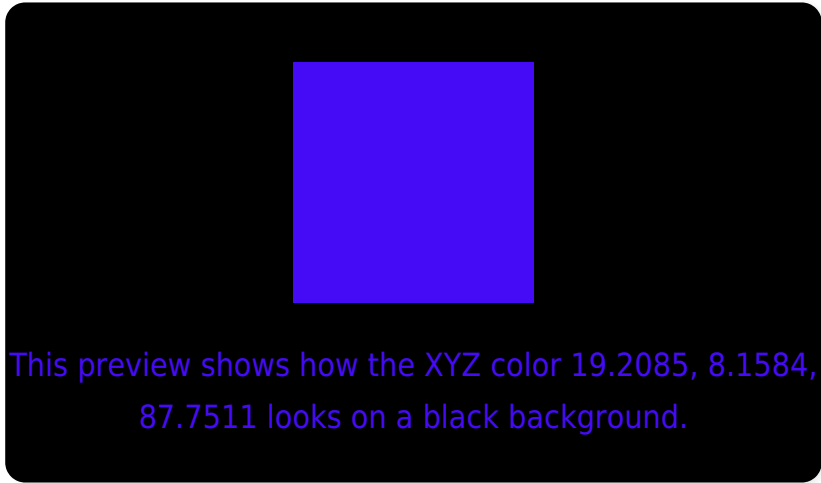
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 19.2085, 8.1584, 87.7511

Background



This preview shows how black text looks on a background with the XYZ color 19.2085, 8.1584, 87.7511.



This preview shows how white text looks on a background with the XYZ color 19.2085, 8.1584,

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

19.2085, 8.1584, 87.7511

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

7.7535, 8.0506, 25.5714



Tritanopia

5.7217, 8.1386, 12.0958

Trichromacy



Original Color

19.2085, 8.1584, 87.7511

Protanomaly

11.4577, 6.7400, 51.7360

Deuteranomaly

9.8999, 6.3473, 42.8228

Tritanomaly

7.5747, 5.7462, 29.5641

Monochromacy



Original Color

19.2085, 8.1584, 87.7511

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.2271, 3.8669, 19.4870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2085, 8.1584, 87.7511 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(69, 11, 246)` looks like.

```
.text, #text, p{  
    color:rgb(69, 11, 246)  
}
```

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(69, 11, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 11, 246) }
```

Border

The CSS property to change the border of an element to XYZ 19.2085, 8.1584, 87.7511 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(69, 11, 246) }
```


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

```
.border{ border-color:rgb(69, 11, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 11, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 11, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 11, 246);  
box-shadow:4px 4px 4px 4px rgb(69, 11,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2085, 8.1584, 87.7511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 11, 246) }
```

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

```
.background{ background-color: rgb(69, 11,  
246) }
```

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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