

Converting Colors

XYZ(19.6487, 8.5350, 78.0067)

Have a look what the booklet for
XYZ(19.6487, 8.5350, 78.0067)
contains.

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Color

**XYZ(19.6078, 8.5219,
77.7022)**

Conversions

Conversions Part 1

Format	Color
Hex	6007E9
RGB	96, 7, 233
RGB Percent	38%, 3%, 91%
CMY	0.6235, 0.9726, 0.0863
CMYK	0.59, 0.97, 0.00, 0.09
HSL	264°, 94%, 47%
HSV	264°, 97%, 91%
XYZ	19.6078, 8.5219, 77.7022
YIQ	59.3750, -19.5020, 89.1540

Conversions

Conversions Part 2

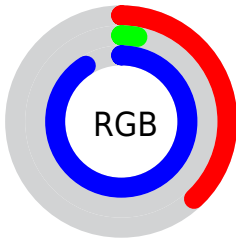
Format	Color
RYB	96, 7, 233
Decimal	6293481
CIELab	35.05, 75.41, -90.71
CIElCh	35, 117.964, 309.736
Yxy	8.5219, 0.1853, 0.0805
Android (android.graphics.Color)	4284483561 (0xFF6007E9)
YUV	59.3750, 85.5971, 32.1201
Hunter-Lab	29.1923, 68.8079, -137.3798

Details

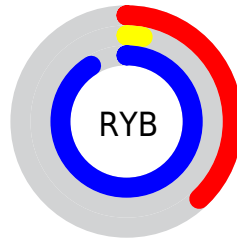
The XYZ color **19.6078, 8.5219, 77.7022** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **40.6751, 64.2207, 10.4526**, and the grayscale version is **4.0963, 4.3096, 4.6932**.

A 20% lighter version of the original color is **35.4723, 20.2458, 96.6460**, and **7.8365, 3.1346, 41.2663** is the 20% darker color. If you saturate the color by 10%, you get **19.0990, 8.1468, 77.6569**, and if you desaturate by 10%, it is **21.6261, 10.1496, 77.9103**.

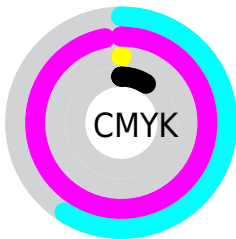
Distribution



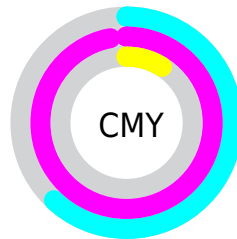
- Red (38%)
- Green (3%)
- Blue (91%)



- Red (38%)
- Yellow (3%)
- Blue (91%)



- Cyan (59%)
- Magenta (97%)
- Yellow (0%)
- Black (9%)



- Cyan (62%)
- Magenta (97%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6078, 8.5219, 77.7022 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 19.6078, 8.5219, 77.7022 by changing the saturation by 10% instead.

19.6078, 8.5219,
77.7022

19.6078, 8.5219,
77.7022

242.6582,
179.7701, 506.6560

12.2169, 4.4307,
57.3144

42.2676, 22.9754,
131.9123

6.9648, 1.9173,
40.8467

58.2672, 34.1065,
166.5716

3.4862, 0.5587,
27.8805

77.8671, 48.3529,
206.8252

1.4158, 0.0000,
17.9973

101.4327, 66.0992,
253.0916

0.2674, 0.0000,
10.7787

129.3292, 87.7297,
305.7894

0.0000, 0.0000,
5.8059


161.9220,

0.0000, 0.0000,

113.6287, 365.3370

2.6605


 199.5766,
144.1807, 432.1530


 0.0000, 0.0000,
0.9235


 0.0000, 0.0000,
0.0000


 19.6078, 8.5219,
77.7022

 19.6078, 8.5219,
77.7022

 19.0990, 8.1468,
77.6569

 21.6261, 10.1496,
77.9103

 24.3567, 12.7870,
78.2754

 27.8973, 16.6103,
78.8268

 32.3253, 21.7567,
79.5868

■ 37.7077, 28.3441,
80.5746

■ 44.1044, 36.4768,
81.8072

■ 51.5699, 46.2490,
83.3000

■ 60.1547, 57.7475,
85.0669

■ 69.9057, 71.0527,
87.1212

Harmonies

Analogous

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



10.5086, 8.5219, 116.0184



19.6078, 8.5219, 77.7022



27.4980, 8.5219, 29.1280

Triad

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



19.6078, 8.5219, 77.7022



13.5016, 8.5219, 0.0000



0.8495, 8.5219, 17.1263

Complementary

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



19.6078, 8.5219, 77.7022



40.6751, 64.2207, 10.4526

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.



0.9947, 8.5219, 1.4271



19.6078, 8.5219, 77.7022



6.0905, 8.5219, 0.0000

Square

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



19.6078, 8.5219, 77.7022



22.8159, 8.5219, 0.0000



2.3000, 8.5219, 0.0000



1.6443, 8.5219, 59.4002

Rectangle

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



19.6078, 8.5219, 77.7022



29.3596, 8.5219, 9.4520



2.3000, 8.5219, 0.0000



0.8081, 8.5219, 9.1080

Sweetspot

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



19.6085, 8.5220, 77.7025



61.2128, 54.0157, 101.8076



25.1301, 26.5976, 80.9004



12.2528, 10.4479, 21.6208



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.



19.6085, 8.5220, 77.7025



23.3541, 9.9544, 95.2982



40.4132, 19.2473, 78.6761



14.7925, 14.8383, 19.0067



10.9670, 4.6896, 44.0701



0.9665, 0.4226, 3.4655

Inverse Universe

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



38.7126, 19.4883, 28.0982



47.1197, 23.6119, 32.8918



29.8159, 58.6225, 9.9444



15.4490, 15.2074, 17.6495



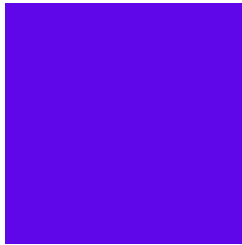
21.8681, 10.9499, 15.6384



1.7643, 0.8787, 1.4760

Previews

White Background



This preview shows how the XYZ color 19.6078, 8.5219, 77.7022 looks on a white background.

Color Contrast Check

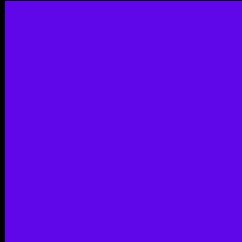
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6078, 8.5219, 77.7022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

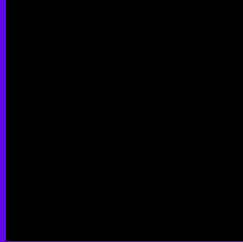
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6078, 8.5219, 77.7022

Background



This preview shows how black text looks on a background with the XYZ color 19.6078, 8.5219, 77.7022.



This preview shows how white text looks on a background with the XYZ color 19.6078, 8.5219,

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

19.6078, 8.5219, 77.7022

Protanopia

10.0301, 8.6019, 38.6678

Deuteranopia

8.3618, 8.6692, 27.6182



Tritanopia

6.7086, 8.7573, 12.8920

Trichromacy



Original Color

19.6078, 8.5219, 77.7022

Protanomaly

11.4807, 6.7093, 50.5591

Deuteranomaly

9.9927, 6.4182, 41.7865

Tritanomaly

8.6272, 6.2378, 28.3531

Monochromacy



Original Color

19.6078, 8.5219, 77.7022

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.9441, 4.3004, 18.8764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6078, 8.5219, 77.7022 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(96, 7, 233) looks like.

```
.text, #text, p{  
    color:rgb(96, 7, 233)  
}
```

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(96, 7, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 7, 233) }
```

Border

The CSS property to change the border of an element to XYZ 19.6078, 8.5219, 77.7022 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(96, 7, 233) }
```


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

```
.border{ border-color:rgb(96, 7, 233) }
```

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

Here you see how a box with a 4 pixel rgb(96, 7, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 7, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 7, 233);  
box-shadow:4px 4px 4px 4px rgb(96, 7, 233)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6078, 8.5219, 77.7022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 7, 233) }
```

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

```
.background{ background-color: rgb(96, 7,  
233) }
```

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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