

Converting Colors

XYZ(18.5639, 7.7884, 86.7429)

Have a look what the booklet for
XYZ(18.5639, 7.7884, 86.7429)
contains.

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Color

**XYZ(18.6073, 7.8013,
86.9113)**

Conversions

Conversions Part 1

Format	Color
Hex	3F07F5
RGB	63, 7, 245
RGB Percent	25%, 3%, 96%
CMY	0.7529, 0.9726, 0.0392
CMYK	0.74, 0.97, 0.00, 0.04
HSL	254°, 94%, 49%
HSV	254°, 97%, 96%
XYZ	18.6073, 7.8013, 86.9113
YIQ	50.8760, -43.0220, 85.8900

Conversions

Conversions Part 2

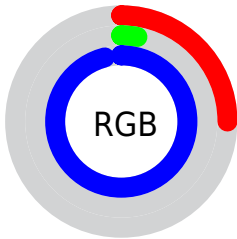
Format	Color
RYB	63, 7, 245
Decimal	4130805
CIELab	33.57, 76.68, -100.07
CIELCh	34, 126.069, 307.463
Yxy	7.8013, 0.1642, 0.0688
Android (android.graphics.Color)	4282320885 (0xFF3F07F5)
YUV	50.8760, 95.7031, 10.6327
Hunter-Lab	27.9308, 70.0365, -164.9390

Details

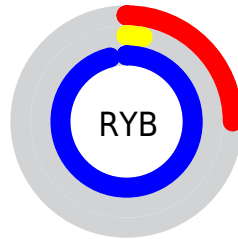
The XYZ color **18.6073, 7.8013, 86.9113** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **53.6691, 76.1351, 12.0673**, and the grayscale version is **3.0286, 3.1863, 3.4699**.

A 20% lighter version of the original color is **31.4497, 17.9643, 96.4176**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **18.2076, 7.4824, 86.8711**, and if you desaturate by 10%, it is **20.4417, 9.3803, 87.1197**.

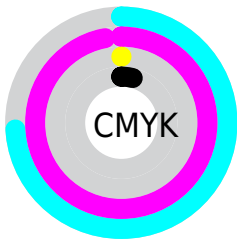
Distribution



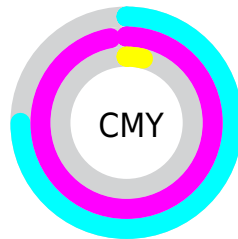
- Red (25%)
- Green (3%)
- Blue (96%)



- Red (25%)
- Yellow (3%)
- Blue (96%)



- Cyan (74%)
- Magenta (97%)
- Yellow (0%)
- Black (4%)



- Cyan (75%)
- Magenta (97%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6073, 7.8013, 86.9113 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 18.6073, 7.8013, 86.9113 by changing the saturation by 10% instead.

■ 18.6073, 7.8013,
86.9113

■ 18.6073, 7.8013,
86.9113

237.2521,
174.1651, 538.2400

■ 11.4892, 3.9681,
64.8626

■ 40.5915, 21.5680,
144.9383

■ 6.4666, 1.6557,
46.8990

■ 56.1883, 32.2702,
181.7536

■ 3.1742, 0.3947,
32.6021

■ 75.3420, 46.0309,
224.3283

■ 1.2465, 0.0000,
21.5532

■ 98.4180, 63.2345,
273.0808

■ 0.1426, 0.0000,
13.3338

■ 125.7817, 84.2653,
328.4297


■ 0.0000, 0.0000,
7.5254


■ 157.7984,


■ 0.0000, 0.0000,


109.5077, 390.7935

3.7094


 194.8334,
139.3462, 460.5907

 0.0000, 0.0000,
1.4673


 0.0000, 0.0000,
0.1934


 18.6073, 7.8013,
86.9113

 18.6073, 7.8013,
86.9113

 18.2076, 7.4824,
86.8711

 20.4417, 9.3803,
87.1197

 23.2033, 12.1558,
87.5099

 27.0222, 16.3374,
88.1157

 32.0029, 22.0903,
88.9636

■ 38.2366, 29.5556,
90.0760

■ 45.8049, 38.8588,
91.4728

■ 54.7820, 50.1131,
93.1720

■ 65.2367, 63.4227,
95.1900

■ 77.2331, 78.8842,
97.5421

Harmonies

Analogous

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



9.2537, 7.8013, 126.8734



18.6073, 7.8013, 86.9113



27.3469, 7.8013, 32.5856

Triad

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



18.6073, 7.8013, 86.9113



13.6697, 7.8013, 0.0000



0.4804, 7.8013, 14.3721

Complementary

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



18.6073, 7.8013, 86.9113



53.6691, 76.1351, 12.0673

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.



0.6894, 7.8013, 0.6678



18.6073, 7.8013, 86.9113



5.8374, 7.8013, 0.0000

Square

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



18.6073, 7.8013, 86.9113



23.4758, 7.8013, 0.0000



1.9537, 7.8013, 0.0000



1.1141, 7.8013, 58.0134

Rectangle

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



18.6073, 7.8013, 86.9113



29.7778, 7.8013, 10.2696



1.9537, 7.8013, 0.0000



0.4573, 7.8013, 6.9364

Sweetspot

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



18.6080, 7.8013, 86.9116



57.9938, 52.3563, 101.6569



34.8661, 43.2321, 92.8935



11.4999, 10.0598, 21.5856



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.



18.6080, 7.8013, 86.9116



19.9153, 8.1816, 95.1373



35.7375, 16.6319, 87.7132



15.9463, 16.1150, 20.8126



9.9099, 4.0831, 46.8038



0.9585, 0.4040, 4.1177

Inverse Universe

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



46.9139, 23.2368, 50.1385



51.0870, 25.1988, 53.7834



35.2493, 66.6393, 11.2053



17.0370, 16.6977, 19.9415



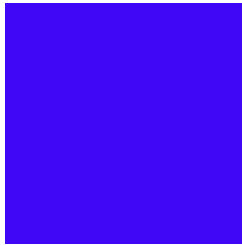
25.1933, 12.4208, 26.7902



2.2536, 1.1074, 2.5618

Previews

White Background



This preview shows how the XYZ color 18.6073, 7.8013, 86.9113 looks on a white background.

Color Contrast Check

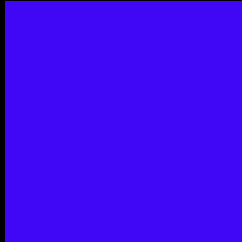
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6073, 7.8013, 86.9113 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 18.6073, 7.8013, 86.9113

Background



This preview shows how black text looks on a background with the XYZ color 18.6073, 7.8013, 86.9113.



This preview shows how white text looks on a background with the XYZ color 18.6073, 7.8013,

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

18.6073, 7.8013, 86.9113

Protanopia

9.0869, 7.8810, 34.7605

Deuteranopia

7.4612, 7.8122, 24.4072



Tritanopia

5.4655, 7.7698, 11.5676

Trichromacy



Original Color

18.6073, 7.8013, 86.9113

Protanomaly

11.0958, 6.4439, 50.5282

Deuteranomaly

9.5560, 6.0491, 41.7382

Tritanomaly

7.2626, 5.4482, 28.6858

Monochromacy



Original Color

18.6073, 7.8013, 86.9113

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.6894, 3.4194, 18.7725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6073, 7.8013, 86.9113 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(63, 7, 245)` looks like.

```
.text, #text, p{  
    color:rgb(63, 7, 245)  
}
```

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(63, 7, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 7, 245) }
```

Border

The CSS property to change the border of an element to XYZ 18.6073, 7.8013, 86.9113 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(63, 7, 245) }
```


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

```
.border{ border-color:rgb(63, 7, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 7, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 7, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 7, 245);  
box-shadow:4px 4px 4px 4px rgb(63, 7, 245)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6073, 7.8013, 86.9113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 7, 245) }
```

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

```
.background{ background-color: rgb(63, 7,  
245) }
```

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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