

Converting Colors

XYZ(18.8055, 8.0486, 76.9443)

Have a look what the booklet for
XYZ(18.8055, 8.0486, 76.9443)
contains.

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Color

**XYZ(18.8036, 8.0433,
76.9054)**

Conversions

Conversions Part 1

Format	Color
Hex	5A02E8
RGB	90, 2, 232
RGB Percent	35%, 1%, 91%
CMY	0.6470, 0.9922, 0.0902
CMYK	0.61, 0.99, 0.00, 0.09
HSL	263°, 98%, 46%
HSV	263°, 99%, 91%
XYZ	18.8036, 8.0433, 76.9054
YIQ	54.5320, -21.3820, 90.1860

Conversions

Conversions Part 2

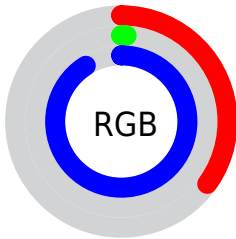
Format	Color
RYB	90, 2, 232
Decimal	5898984
CIELab	34.07, 75.51, -91.78
CIELCh	34, 118.851, 309.445
Yxy	8.0433, 0.1812, 0.0775
Android (android.graphics.Color)	4284089064 (0xFF5A02E8)
YUV	54.5320, 87.4917, 31.1054
Hunter-Lab	28.3607, 68.7171, -140.9235

Details

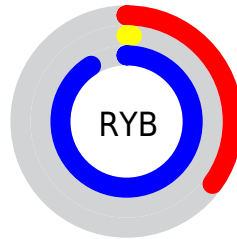
The XYZ color **18.8036, 8.0433, 76.9054** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **40.3663, 63.6456, 10.2144**, and the grayscale version is **3.4688, 3.6495, 3.9743**.

A 20% lighter version of the original color is **34.4707, 19.4203, 96.5394**, and **7.7379, 3.0951, 40.7470** is the 20% darker color. If you saturate the color by 10%, you get **18.6641, 7.9391, 76.8929**, and if you desaturate by 10%, it is **20.6644, 9.4924, 77.0873**.

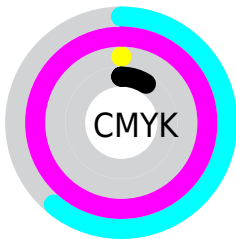
Distribution



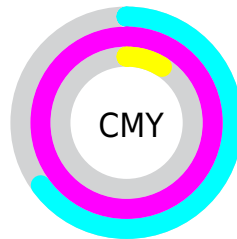
- Red (35%)
- Green (1%)
- Blue (91%)



- Red (35%)
- Yellow (1%)
- Blue (91%)



- Cyan (61%)
- Magenta (99%)
- Yellow (0%)
- Black (9%)



- Cyan (65%)
- Magenta (99%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8036, 8.0433, 76.9054 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 18.8036, 8.0433, 76.9054 by changing the saturation by 10% instead.

■ 18.8036, 8.0433,
76.9054

■ 18.8036, 8.0433,
76.9054

238.3213,
176.0712, 503.8705

■ 11.6316, 4.1227,
56.6641

■ 40.9214, 22.0433,
130.7777

■ 6.5638, 1.7424,
40.3281

■ 56.5979, 32.8914,
165.2459

■ 3.2347, 0.4509,
27.4787

■ 75.8400, 46.8175,
205.2934

■ 1.2791, 0.0000,
17.6975

■ 99.0130, 64.2060,
251.3388

■ 0.1675, 0.0000,
10.5658

■ 126.4823, 85.4412,
303.8007


■ 0.0000, 0.0000,
5.6652


■ 158.6132,

■ 0.0000, 0.0000,

110.9075, 363.0976

2.5771


 195.7711,
140.9894, 429.6480

 0.0000, 0.0000,
0.8806


 0.0000, 0.0000,
0.0000


 18.8036, 8.0433,
76.9054


 18.8036, 8.0433,
76.9054

 18.6641, 7.9391,
76.8929

 20.6644, 9.4924,
77.0873

 23.1984, 11.8694,
77.4126

 26.5251, 15.3924,
77.9172

 30.7245, 20.2032,
78.6245

■ 35.8655, 26.4221,
79.5539

■ 42.0093, 34.1551,
80.7227

■ 49.2116, 43.4978,
82.1464

■ 57.5236, 54.5377,
83.8392

■ 66.9929, 67.3560,
85.8143

Harmonies

Analogous

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



9.9104, 8.0433, 114.8224



18.8036, 8.0433, 76.9054



26.6155, 8.0433, 28.5839

Triad

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



18.8036, 8.0433, 76.9054



12.9916, 8.0433, 0.0000



0.7232, 8.0433, 16.1355

Complementary

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



18.8036, 8.0433, 76.9054



40.3663, 63.6456, 10.2144

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.



0.8689, 8.0433, 1.2078



18.8036, 8.0433, 76.9054



5.7540, 8.0433, 0.0000

Square

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



18.8036, 8.0433, 76.9054



22.1329, 8.0433, 0.0000



2.1008, 8.0433, 0.0000



1.4515, 8.0433, 57.6977

Rectangle

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



18.8036, 8.0433, 76.9054



28.5040, 8.0433, 9.1125



2.1008, 8.0433, 0.0000



0.6840, 8.0433, 8.4124

Sweetspot

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



18.8042, 8.0434, 76.9057



60.0190, 52.6373, 101.6044



25.1276, 26.9133, 80.2146



12.0142, 10.1817, 21.5820



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.



18.8042, 8.0434, 76.9057



23.0418, 9.7933, 95.2836



38.7640, 18.3330, 77.8398



14.1016, 14.1546, 18.1332



10.4915, 4.4744, 42.6939



0.8763, 0.3827, 3.1597

Inverse Universe

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



38.3332, 19.2122, 28.0668



47.3618, 23.7087, 34.1668



29.4839, 58.0355, 9.7051



14.7491, 14.5168, 16.8792



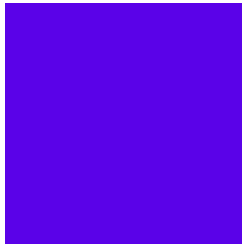
21.3001, 10.6543, 15.7412



1.6190, 0.8053, 1.4001

Previews

White Background



This preview shows how the XYZ color 18.8036, 8.0433, 76.9054 looks on a white background.

Color Contrast Check

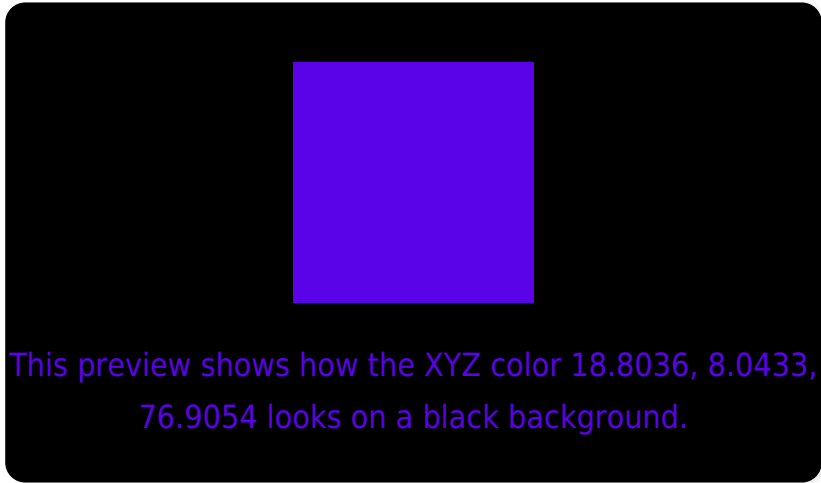
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8036, 8.0433, 76.9054

Background



This preview shows how black text looks on a background with the XYZ color 18.8036, 8.0433, 76.9054.



This preview shows how white text looks on a background with the XYZ color 18.8036, 8.0433,

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

18.8036, 8.0433, 76.9054

Protanopia

9.5875, 8.3086, 36.6957

Deuteranopia

7.9039, 8.2341, 25.9837



Tritanopia

5.9015, 8.2206, 12.5849

Trichromacy



Original Color

18.8036, 8.0433, 76.9054

Protanomaly

10.9963, 6.3651, 48.7931

Deuteranomaly

9.4892, 5.9788, 40.1891

Tritanomaly

7.4643, 5.4947, 27.8613

Monochromacy



Original Color

18.8036, 8.0433, 76.9054

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.3445, 3.8226, 17.8562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8036, 8.0433, 76.9054 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(90, 2, 232) looks like.

```
.text, #text, p{  
    color:rgb(90, 2, 232)  
}
```

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(90, 2, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 2, 232) }
```

Border

The CSS property to change the border of an element to XYZ 18.8036, 8.0433, 76.9054 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(90, 2, 232) }
```


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

```
.border{ border-color:rgb(90, 2, 232) }
```

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

Here you see how a box with a 4 pixel rgb(90, 2, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 2, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 2, 232);  
box-shadow:4px 4px 4px 4px rgb(90, 2, 232)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8036, 8.0433, 76.9054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 2, 232) }
```

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

```
.background{ background-color: rgb(90, 2,  
232) }
```

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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