

Converting Colors

XYZ(18.4135, 7.8091, 76.9180)

Have a look what the booklet for
XYZ(18.4135, 7.8091, 76.9180)
contains.

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Color

**XYZ(18.4032, 7.8046,
76.8804)**

Conversions

Conversions Part 1

Format	Color
Hex	5600E8
RGB	86, 0, 232
RGB Percent	34%, 0%, 91%
CMY	0.6627, 1.0000, 0.0902
CMYK	0.63, 1.00, 0.00, 0.09
HSL	262°, 100%, 45%
HSV	262°, 100%, 91%
XYZ	18.4032, 7.8046, 76.8804
YIQ	52.1620, -23.2160, 90.3840

Conversions

Conversions Part 2

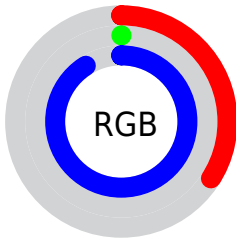
Format	Color
RYB	86, 0, 232
Decimal	5636328
CIELab	33.57, 75.59, -92.62
CIElCh	34, 119.550, 309.216
Yxy	7.8046, 0.1785, 0.0757
Android (android.graphics.Color)	4283826408 (0xFF5600E8)
YUV	52.1620, 88.6601, 29.6759
Hunter-Lab	27.9367, 68.6969, -143.6073

Details

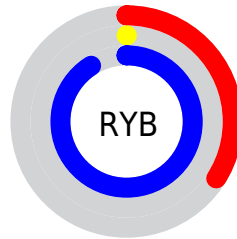
The XYZ color **18.4032, 7.8046, 76.8804** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **40.7095, 63.8237, 10.1736**, and the grayscale version is **3.1842, 3.3500, 3.6481**.

A 20% lighter version of the original color is **33.6356, 18.8899, 96.4811**, and **7.7379, 3.0951, 40.7470** is the 20% darker color. If you saturate the color by 10%, you get **18.4040, 7.8050, 76.8807**, and if you desaturate by 10%, it is **20.1988, 9.1910, 77.0536**.

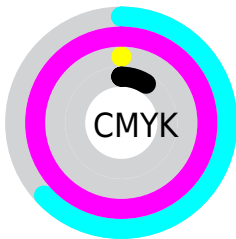
Distribution



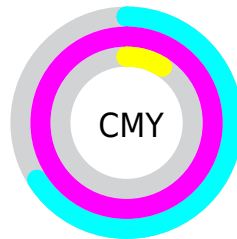
- Red (34%)
- Green (0%)
- Blue (91%)



- Red (34%)
- Yellow (0%)
- Blue (91%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)





- Cyan (66%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4032, 7.8046, 76.8804 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 18.4032, 7.8046, 76.8804 by changing the saturation by 10% instead.


 18.4032, 7.8046,
76.8804


 18.4032, 7.8046,
76.8804


236.1358,
174.1913, 503.7830

 11.3413, 3.9702,
56.6437


 40.2479, 21.5745,
130.7421


 6.3659, 1.6569,
40.3118


 55.7614, 32.2787,
165.2042

 3.1116, 0.3955,
27.4661


 74.8228, 46.0417,
205.2453

 1.2130, 0.0000,
17.6881

 97.7975, 63.2478,
251.2838

 0.1166, 0.0000,
10.5592

 125.0507, 84.2814,
303.7382

 0.0000, 0.0000,
5.6608


 156.9480,


 0.0000, 0.0000,


109.5269, 363.0272

2.5745


 193.8546,
139.3687, 429.5693


 0.0000, 0.0000,
0.8793


 0.0000, 0.0000,
0.0000


 18.4032, 7.8046,
76.8804


 18.4032, 7.8046,
76.8804

 18.4040, 7.8050,
76.8807

 20.1988, 9.1910,
77.0536

 22.6556, 11.4704,
77.3641

 25.9069, 14.8871,
77.8523

 30.0348, 19.5857,
78.5416

■ 35.1098, 25.6884,
79.4521

■ 41.1945, 33.3027,
80.6011

■ 48.3455, 42.5252,
82.0043

■ 56.6150, 53.4445,
83.6761

■ 66.0517, 66.1425,
85.6297

Harmonies

Analogous

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



9.5962, 7.8046, 114.6610



18.4032, 7.8046, 76.8804



26.2097, 7.8046, 28.4708

Triad

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



18.4032, 7.8046, 76.8804



12.7715, 7.8046, 0.0000



0.6519, 7.8046, 15.5838

Complementary

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



18.4032, 7.8046, 76.8804



40.7095, 63.8237, 10.1736

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.



0.8041, 7.8046, 1.0857



18.4032, 7.8046, 76.8804



5.5973, 7.8046, 0.0000

Square

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



18.4032, 7.8046, 76.8804



21.8506, 7.8046, 0.0000



2.0022, 7.8046, 0.0000



1.3488, 7.8046, 56.8582

Rectangle

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



18.4032, 7.8046, 76.8804



28.1318, 7.8046, 8.9952



2.0022, 7.8046, 0.0000



0.6145, 7.8046, 8.0192

Sweetspot

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



18.4040, 7.8050, 76.8807



59.7632, 52.5054, 101.5924



24.9889, 26.6730, 80.1755



11.9544, 10.1509, 21.5792



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.



18.4040, 7.8050, 76.8807



22.7211, 9.6280, 95.2686



38.6709, 18.2530, 77.8292



14.0850, 14.1460, 18.1324



10.3447, 4.3988, 42.6870



0.8643, 0.3765, 3.1591

Inverse Universe

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



38.4666, 19.2310, 28.8757



47.6260, 23.8144, 35.5582



29.4198, 58.0037, 9.6453



14.7566, 14.5198, 16.9187



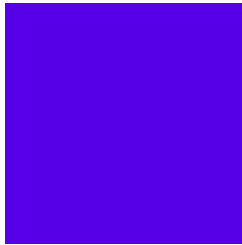
21.4179, 10.7014, 16.3613



1.6272, 0.8086, 1.4435

Previews

White Background



This preview shows how the XYZ color 18.4032, 7.8046, 76.8804 looks on a white background.

Color Contrast Check

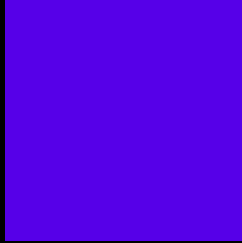
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4032, 7.8046, 76.8804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

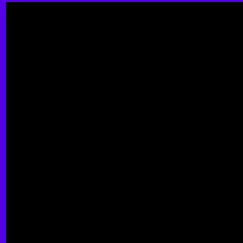
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4032, 7.8046, 76.8804

Background



This preview shows how black text looks on a background with the XYZ color 18.4032, 7.8046, 76.8804.



This preview shows how white text looks on a background with the XYZ color 18.4032, 7.8046,

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

18.4032, 7.8046, 76.8804

Protanopia

9.3352, 8.0931, 35.7204

Deuteranopia

7.7535, 8.0506, 25.5714



Tritanopia

5.6837, 7.9893, 12.3089

Trichromacy



Original Color

18.4032, 7.8046, 76.8804

Protanomaly

10.7828, 6.2034, 48.2060

Deuteranomaly

9.3810, 5.8546, 40.1708

Tritanomaly

7.1390, 5.2619, 27.4274

Monochromacy



Original Color

18.4032, 7.8046, 76.8804

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.8691, 3.4621, 17.1885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4032, 7.8046, 76.8804 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(86, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 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(86, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 18.4032, 7.8046, 76.8804 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(86, 0, 232) }
```


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

```
.border{ border-color:rgb(86, 0, 232) }
```

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

Here you see how a box with a 4 pixel rgb(86, 0, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(86, 0, 232)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4032, 7.8046, 76.8804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 232) }
```

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

```
.background{ background-color: rgb(86, 0,  
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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