

Converting Colors

XYZ(18.4108, 9.2592, 80.7743)

Have a look what the booklet for
XYZ(18.4108, 9.2592, 80.7743)
contains.

XYZ(18.4169, 9.2374, 80.9331)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(18.4169, 9.2374,
80.9331)**

Conversions

Conversions Part 1

Format	Color
Hex	402FED
RGB	64, 47, 237
RGB Percent	25%, 18%, 93%
CMY	0.7490, 0.8157, 0.0706
CMYK	0.73, 0.80, 0.00, 0.07
HSL	245°, 84%, 56%
HSV	245°, 80%, 93%
XYZ	18.4169, 9.2374, 80.9331
YIQ	73.7430, -50.8580, 62.6940

Conversions

Conversions Part 2

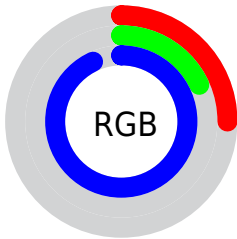
Format	Color
R _Y B	64, 47, 237
Decimal	4206573
CIE Lab	36.44, 63.31, -90.76
CIE LCh	36, 110.659, 304.897
Yxy	9.2374, 0.1696, 0.0851
Android (android.graphics.Color)	4282396653 (0xFF402FED)
YUV	73.7430, 80.4857, -8.5446
Hunter-Lab	30.3931, 54.9754, -136.6069

Details

The XYZ color **18.4169, 9.2374, 80.9331** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **60.3077, 75.9870, 14.1773**, and the grayscale version is **6.3330, 6.6628, 7.2558**.

A 20% lighter version of the original color is **32.7342, 21.2737, 96.9887**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **16.5711, 7.2405, 80.6453**, and if you desaturate by 10%, it is **21.3201, 12.5413, 81.4181**.

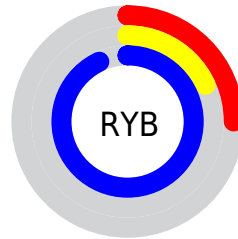
Distribution



Red (25%)

Green (18%)

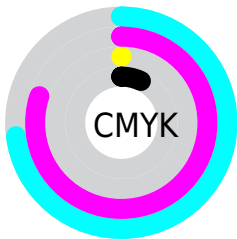
Blue (93%)



Red (25%)

Yellow (18%)

Blue (93%)

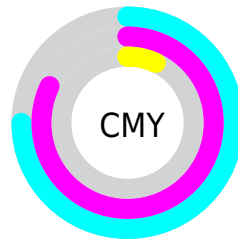


Cyan (73%)

Magenta (80%)

Yellow (0%)

Black (7%)



Cyan (75%)

Magenta (82%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4169, 9.2374, 80.9331 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 18.4169, 9.2374, 80.9331 by changing the saturation by 10% instead.

■ 18.4169, 9.2374,
80.9331

■ 18.4169, 9.2374,
80.9331

236.2109,
185.1391, 517.8614

■ 11.3512, 4.8964,
59.9558

■ 40.2710, 24.3509,
136.5001

■ 6.3726, 2.1866,
42.9580

■ 55.7901, 35.8921,
171.9268

■ 3.1157, 0.7127,
29.5210

■ 74.8577, 50.6022,
213.0071

■ 1.2153, 0.0000,
19.2263

■ 97.8392, 68.8655,
260.1596

■ 0.1184, 0.0000,
11.6555

■ 125.0999, 91.0665,
313.8027

■ 0.0000, 0.0000,
6.3899

■ 157.0052,

■ 0.0000, 0.0000,

117.5895, 374.3550

3.0110

193.9204,
148.8189, 442.2350

■ 0.0000, 0.0000,
1.1002

■ 0.0000, 0.0000,
0.0000

■ 18.4169, 9.2374,
80.9331

■ 18.4169, 9.2374,
80.9331

■ 16.5711, 7.2405,
80.6453

■ 21.3201, 12.5413,
81.4181

■ 15.6002, 6.2764,
80.5103

■ 25.4076, 17.3266,
82.1263

■ 30.7903, 23.7410,
83.0807

■ 37.5658, 31.9143,
84.3013

■ 45.8221, 41.9632,
85.8057

■ 55.6400, 53.9942,
87.6105

■ 67.0945, 68.1059,
89.7306

■ 80.2558, 84.3903,
92.1801

■ 92.2861, 98.8945,
94.3456

Harmonies

Analogous

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



9.9274, 9.2374, 109.9715



18.4169, 9.2374, 80.9331



26.3998, 9.2374, 35.2705

Triad

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



18.4169, 9.2374, 80.9331



15.4658, 9.2374, 0.0000



1.1798, 9.2374, 13.5516

Complementary

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



18.4169, 9.2374, 80.9331



60.3077, 75.9870, 14.1773

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.



1.5144, 9.2374, 1.1174



18.4169, 9.2374, 80.9331



7.7244, 9.2374, 0.0000

Square

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



18.4169, 9.2374, 80.9331



24.1722, 9.2374, 0.0000



3.2757, 9.2374, 0.0000



1.8818, 9.2374, 49.4358

Rectangle

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



18.4169, 9.2374, 80.9331



28.9062, 9.2374, 13.7135



3.2757, 9.2374, 0.0000



1.1808, 9.2374, 7.1177

Sweetspot

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



18.4176, 9.2375, 80.9334



60.9251, 57.8952, 102.5715



42.3587, 58.5197, 89.1840



12.1634, 11.3176, 21.7934



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.



18.4176, 9.2375, 80.9334



18.7602, 7.7505, 95.1150



30.3699, 15.3992, 81.4928



14.3563, 14.6134, 18.9863



8.5630, 3.4503, 43.9576



0.7154, 0.2931, 3.4537

Inverse Universe

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



48.8577, 25.2037, 69.9888



56.0696, 27.3690, 79.4755



39.4257, 65.2219, 13.2000



15.6532, 15.2892, 18.7253



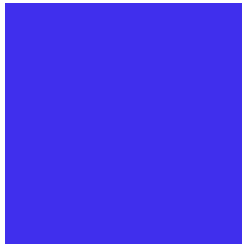
25.8444, 12.5404, 36.5773



2.0465, 0.9916, 2.9621

Previews

White Background



This preview shows how the XYZ color 18.4169, 9.2374, 80.9331 looks on a white background.

Color Contrast Check

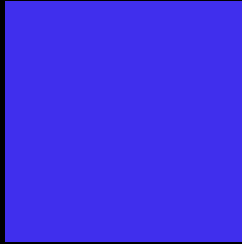
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4169, 9.2374, 80.9331 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 18.4169, 9.2374, 80.9331

Background



This preview shows how black text looks on a background with the XYZ color 18.4169, 9.2374, 80.9331.



This preview shows how white text looks on a background with the XYZ color 18.4169, 9.2374,

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

18.4169, 9.2374, 80.9331

Protanopia

10.4637, 9.0131, 40.2179

Deuteranopia

8.7562, 9.0860, 28.8960

Trichromacy



Original Color

18.4169, 9.2374, 80.9331

Protanomaly

12.4453, 8.4239, 53.1946

Deuteranomaly

10.9741, 8.2425, 44.1926

Monochromacy



Original Color

18.4169, 9.2374, 80.9331

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.5928, 6.6623, 23.0234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4169, 9.2374, 80.9331 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(64, 47, 237)` looks like.

```
.text, #text, p{  
    color:rgb(64, 47, 237)  
}
```

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(64, 47, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 47, 237) }
```

Border

The CSS property to change the border of an element to XYZ 18.4169, 9.2374, 80.9331 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(64, 47, 237) }
```

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

```
.border{ border-color:rgb(64, 47, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 47, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 47, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 47, 237);  
box-shadow:4px 4px 4px 4px rgb(64, 47,  
237) }
```


Background

The CSS property to change the background color of an element to XYZ 18.4169, 9.2374, 80.9331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 47, 237) }
```

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

```
.background{ background-color: rgb(64, 47,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor