

Converting Colors

XYZ(18.8946, 8.8898, 80.9569)

Have a look what the booklet for
XYZ(18.8946, 8.8898, 80.9569)
contains.

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Color

**XYZ(18.8974, 8.9127,
80.8451)**

Conversions

Conversions Part 1

Format	Color
Hex	4C24ED
RGB	76, 36, 237
RGB Percent	30%, 14%, 93%
CMY	0.7019, 0.8588, 0.0706
CMYK	0.68, 0.85, 0.00, 0.07
HSL	252°, 85%, 54%
HSV	252°, 85%, 93%
XYZ	18.8974, 8.9127, 80.8451
YIQ	70.8740, -40.6810, 70.9910

Conversions

Conversions Part 2

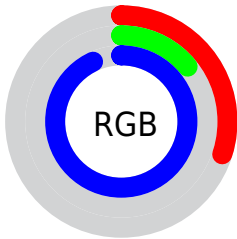
Format	Color
R_{YB}	76, 36, 237
Decimal	4990189
CIE _{Lab}	35.82, 68.48, -91.77
CIE _{LCh}	36, 114.503, 306.733
Yxy	8.9127, 0.1739, 0.0820
Android (android.graphics.Color)	4283180269 (0xFF4C24ED)
YUV	70.8740, 81.9001, 4.4955
Hunter-Lab	29.8541, 60.7441, -139.6596

Details

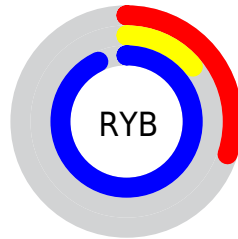
The XYZ color **18.8974, 8.9127, 80.8451** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **53.6252, 72.5645, 12.8487**, and the grayscale version is **5.8398, 6.1439, 6.6907**.

A 20% lighter version of the original color is **33.6451, 20.8132, 96.8518**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **17.1101, 7.2553, 80.6197**, and if you desaturate by 10%, it is **21.6045, 11.7468, 81.2498**.

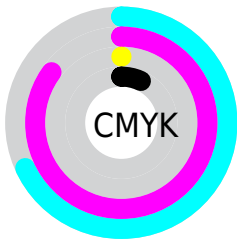
Distribution



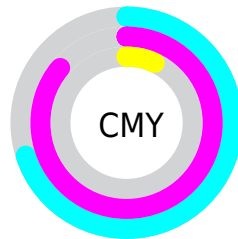
- Red (30%)
- Green (14%)
- Blue (93%)



- Red (30%)
- Yellow (14%)
- Blue (93%)



- Cyan (68%)
- Magenta (85%)
- Yellow (0%)
- Black (7%)



- Cyan (70%)
- Magenta (86%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8974, 8.9127, 80.8451 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 18.8974, 8.9127, 80.8451 by changing the saturation by 10% instead.

■ 18.8974, 8.9127,
80.8451

■ 18.8974, 8.9127,
80.8451

238.8308,
182.7253, 517.5580

■ 11.6997, 4.6843,
59.8838

■ 41.0789, 23.7292,
136.3754

■ 6.6103, 2.0632,
42.9003

■ 56.7934, 35.0861,
171.7814

■ 3.2638, 0.6438,
29.4761

■ 76.0776, 49.5880,
212.8394

■ 1.2947, 0.0000,
19.1926

■ 99.2967, 67.6192,
259.9679

■ 0.1793, 0.0000,
11.6313

■ 126.8163, 89.5641,
313.5855

■ 0.0000, 0.0000,
6.3737

■ 159.0016,

■ 0.0000, 0.0000,

115.8072, 374.1107

3.0012

196.2180,
146.7328, 441.9620

■ 0.0000, 0.0000,
1.0952

■ 0.0000, 0.0000,
0.0000

■ 18.8974, 8.9127,
80.8451

■ 18.8974, 8.9127,
80.8451

■ 17.1101, 7.2553,
80.6197

■ 21.6045, 11.7468,
81.2498

■ 16.4667, 6.7231,
80.5509

■ 25.3457, 15.9373,
81.8614

■ 30.2197, 21.6327,
82.7039

■ 36.3122, 28.9616,
83.7974

■ 43.7009, 38.0386,
85.1600

■ 52.4562, 48.9678,
86.8081

■ 62.6439, 61.8451,
88.7567

■ 74.3252, 76.7598,
91.0198

■ 87.5577, 93.7955,
93.6107

Harmonies

Analogous

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



10.0925, 8.9127, 113.9425



18.8974, 8.9127, 80.8451



26.9632, 8.9127, 33.1662

Triad

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



18.8974, 8.9127, 80.8451



14.7306, 8.9127, 0.0000



1.0019, 8.9127, 14.7696

Complementary

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



18.8974, 8.9127, 80.8451



53.6252, 72.5645, 12.8487

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.



1.2542, 8.9127, 1.1678



18.8974, 8.9127, 80.8451



7.0337, 8.9127, 0.0000

Square

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



18.8974, 8.9127, 80.8451



23.7911, 8.9127, 0.0000



2.8239, 8.9127, 0.0000



1.7321, 8.9127, 53.5007

Rectangle

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



18.8974, 8.9127, 80.8451



29.2732, 8.9127, 11.9900



2.8239, 8.9127, 0.0000



0.9854, 8.9127, 7.7295

Sweetspot

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



18.8981, 8.9128, 80.8454



61.6209, 57.4197, 102.4431



36.7025, 47.8673, 87.4260



12.3720, 11.2658, 21.7724



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.



18.8981, 8.9128, 80.8454



19.4033, 7.9176, 95.1133



33.2277, 16.3000, 81.5160



14.5112, 14.6933, 18.9935



9.0746, 3.7141, 43.9816



0.7889, 0.3310, 3.4572

Inverse Universe

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



45.6325, 23.2967, 54.9071



52.1676, 25.6311, 59.4741



35.8193, 63.3852, 12.0154



15.5788, 15.2594, 18.3333



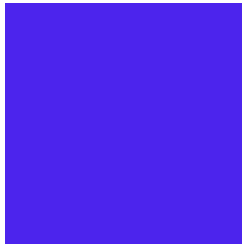
24.1793, 11.8744, 27.8092



1.9313, 0.9455, 2.3556

Previews

White Background



This preview shows how the XYZ color 18.8974, 8.9127, 80.8451 looks on a white background.

Color Contrast Check

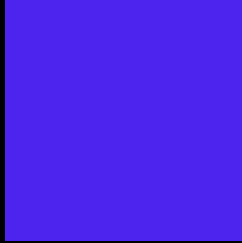
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8974, 8.9127, 80.8451 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 18.8974, 8.9127, 80.8451

Background



This preview shows how black text looks on a background with the XYZ color 18.8974, 8.9127, 80.8451.



This preview shows how white text looks on a background with the XYZ color 18.8974, 8.9127,

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

18.8974, 8.9127, 80.8451

Protanopia

10.1981, 8.7871, 39.1888

Deuteranopia

8.4386, 8.6999, 28.0226



Tritanopia

6.1665, 8.7296, 13.1643

Trichromacy



Original Color

18.8974, 8.9127, 80.8451

Protanomaly

12.1068, 7.9225, 51.9300

Deuteranomaly

10.5819, 7.5955, 43.0278

Tritanomaly

8.2211, 7.0515, 29.3616

Monochromacy



Original Color

18.8974, 8.9127, 80.8451

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.3574, 6.0813, 22.2060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8974, 8.9127, 80.8451 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(76, 36, 237)` looks like.

```
.text, #text, p{  
    color:rgb(76, 36, 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(76, 36, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 36, 237) }
```

Border

The CSS property to change the border of an element to XYZ 18.8974, 8.9127, 80.8451 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(76, 36, 237) }
```


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

```
.border{ border-color:rgb(76, 36, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 36, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(76, 36, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(76, 36, 237); box-shadow:4px 4px 4px 4px rgb(76, 36, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8974, 8.9127, 80.8451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 36, 237) }
```

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

```
.background{ background-color: rgb(76, 36,  
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](#).

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