

Converting Colors

XYZ(79.9895, 74.3880,
104.7502)

Have a look what the booklet for
XYZ(79.9895, 74.3880, 104.7502)
contains.

XYZ(80.2020, 74.5827, 104.7765)	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>	31

Color

**XYZ(80.2020, 74.5827,
104.7765)**

Conversions

Conversions Part 1

Format	Color
Hex	F7D5FF
RGB	247, 213, 255
RGB Percent	97%, 84%, 100%
CMY	0.0314, 0.1647, 0.0000
CMYK	0.03, 0.16, 0.00, 0.00
HSL	289°, 100%, 92%
HSV	289°, 16%, 100%
XYZ	80.2020, 74.5827, 104.7765
YIQ	227.9540, 6.7820, 20.2700

Conversions

Conversions Part 2

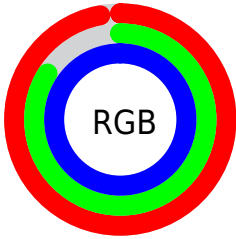
Format	Color
R _Y B	247, 213, 255
Decimal	16242175
CIE Lab	89.20, 19.05, -16.08
CIE LCh	89, 24.926, 319.829
Yxy	74.5827, 0.3090, 0.2873
Android (android.graphics.Color)	4294432255 (0xFFF7D5FF)
YUV	227.9540, 13.3337, 16.7033
Hunter-Lab	86.3613, 14.6372, -11.4798

Details

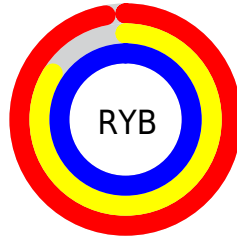
The XYZ color **80.2020, 74.5827, 104.7765** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.5910, 91.6972, 76.5644**, and the grayscale version is **73.6132, 77.4468, 84.3395**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6551, 39.4781, 58.7452** is the 20% darker color. If you saturate the color by 10%, you get **72.5955, 61.8785, 102.7253**, and if you desaturate by 10%, it is **88.8656, 89.3330, 107.1670**.

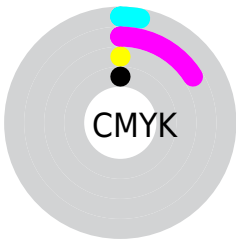
Distribution



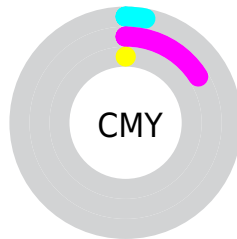
- Red (97%)
- Green (84%)
- Blue (100%)



- Red (97%)
- Yellow (84%)
- Blue (100%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2020, 74.5827, 104.7765 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 80.2020, 74.5827, 104.7765 by changing the saturation by 10% instead.

80.2020, 74.5827,
104.7765

80.2020, 74.5827,
104.7765

484.3395,
476.4820, 596.7774

60.1936, 55.2711,
79.6565

132.5987,
125.7215, 169.8148

43.8248, 39.6188,
58.9112

165.7178,
158.3174, 210.5701

30.7301, 27.2415,
42.1221

203.9378,
196.1103, 257.3743

20.5442, 17.7546,
28.8706

247.6241,
239.4845, 310.6460

12.9018, 10.7740,
18.7383

297.1421,
288.8243, 370.8035

7.4375, 5.9151,
11.3064

352.8571,

3.7859, 2.7935,

344.5143, 438.2656

6.1566

415.1344,
406.9387, 513.4507

■ 1.5818, 1.0249,
2.8702

■ 0.3805, 0.0000,
1.0287

■ 80.2020, 74.5827,
104.7765

■ 80.2020, 74.5827,
104.7765

■ 72.5955, 61.8785,
102.7253

■ 88.8656, 89.3330,
107.1670

■ 65.9927, 51.1168,
100.9961

95.0500, 100.0000,
108.9000

■ 60.3445, 42.1992,
99.5725

■ 55.5951, 35.0146,
98.4360

■ 51.6830, 29.4401,
97.5663

■ 48.5380, 25.3363,
96.9399

■ 46.0784, 22.5399,
96.5298

■ 44.2016, 20.8468,
96.3019

■ 43.6237, 20.4037,
96.2468

Harmonies

Analogous

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



74.9285, 74.5827, 116.9506



80.2020, 74.5827, 104.7765



83.0292, 74.5827, 87.2648

Triad

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



80.2020, 74.5827, 104.7765



72.9731, 74.5827, 52.5102



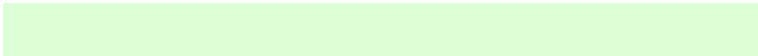
60.4502, 74.5827, 93.1025

Complementary

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



80.2020, 74.5827, 104.7765



77.5910, 91.6972, 76.5644

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.



59.9933, 74.5827, 75.4379



80.2020, 74.5827, 104.7765



66.9966, 74.5827, 53.6086

Square

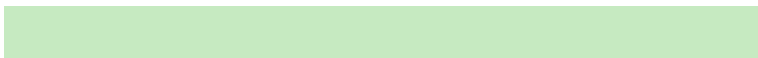
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2020, 74.5827, 104.7765



78.7004, 74.5827, 58.2172



62.3257, 74.5827, 61.4685



63.6117, 74.5827, 109.5716

Rectangle

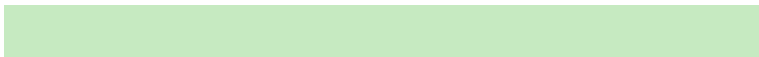
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2020, 74.5827, 104.7765



83.0426, 74.5827, 75.6256



62.3257, 74.5827, 61.4685



59.9824, 74.5827, 87.0583

Sweetspot

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



80.2040, 74.5858, 104.7770



90.2288, 91.6755, 107.5473



71.4556, 73.2938, 104.9887



19.1724, 19.3812, 22.9804



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.



80.2040, 74.5858, 104.7770



77.3991, 69.8698, 104.0146



81.1231, 75.2863, 94.5771



18.4336, 18.1153, 22.7750



22.9153, 10.7238, 50.2967



2.3144, 1.0870, 4.9011

Inverse Universe

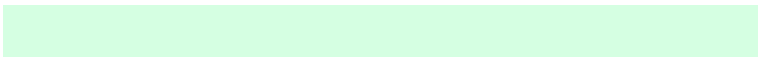
The Inverse Universe completely reimagines the original color for something new.



78.0874, 74.0720, 78.5911



74.9339, 69.2861, 72.8508



76.8754, 91.1363, 85.2062



18.1507, 18.0436, 19.4108



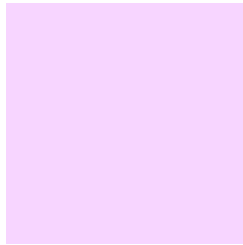
21.8738, 11.2388, 2.7198



2.1654, 1.1085, 0.4522

Previews

White Background



This preview shows how the XYZ color 80.2020, 74.5827, 104.7765 looks on a white background.

Color Contrast Check

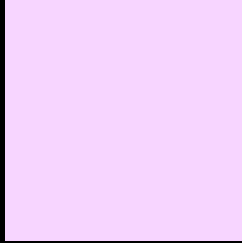
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 80.2020, 74.5827, 104.7765 looks on a black 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

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

XYZ 80.2020, 74.5827, 104.7765

Background



This preview shows how black text looks on a background with the XYZ color 80.2020, 74.5827, 104.7765.



This preview shows how white text looks on a background with the XYZ color 80.2020, 74.5827,

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

80.2020, 74.5827, 104.7765

Protanopia

73.3511, 74.9008, 105.1990

Deuteranopia

76.2395, 74.4544, 104.1188



Tritanopia

76.9724, 74.7993, 88.2227

Trichromacy



Original Color

80.2020, 74.5827, 104.7765

Protanomaly

75.6946, 74.5410, 105.0061

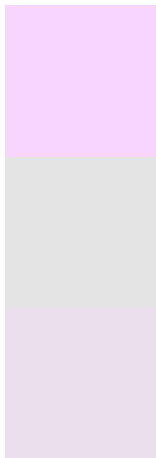
Deuteranomaly

77.3703, 74.2720, 104.0240

Tritanomaly

78.2391, 74.9350, 94.3447

Monochromacy



Original Color

80.2020, 74.5827, 104.7765

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

76.0812, 76.6106, 91.6663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2020, 74.5827, 104.7765 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(247, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 213, 255)  
}
```

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(247, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.2020, 74.5827, 104.7765 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(247, 213, 255) }
```


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

```
.border{ border-color:rgb(247, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2020, 74.5827, 104.7765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 213, 255) }
```

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

```
.background{ background-color: rgb(247,  
213, 255) }
```

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