

Converting Colors

XYZ(78.5350, 92.0381, 30.3783)

Have a look what the booklet for
XYZ(78.5350, 92.0381, 30.3783)
contains.

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Color

**XYZ(78.8442, 92.4176,
30.5125)**

Conversions

Conversions Part 1

Format	Color
Hex	FD7D75
RGB	253, 253, 117
RGB Percent	99%, 99%, 46%
CMY	0.0078, 0.0078, 0.5412
CMYK	0.00, 0.00, 0.54, 0.01
HSL	60°, 97%, 73%
HSV	60°, 54%, 99%
XYZ	78.8442, 92.4176, 30.5125
YIQ	237.4960, 43.6560, -42.2960

Conversions

Conversions Part 2

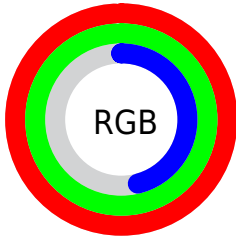
Format	Color
RYB	117, 253, 117
Decimal	16645493
CIELab	96.99, -17.23, 63.93
CIELCh	97, 66.213, 105.081
Yxy	92.4176, 0.3908, 0.4580
Android (android.graphics.Color)	4294835573 (0xFFFD75)
YUV	237.4960, -59.4045, 13.5970
Hunter-Lab	96.1341, -21.8381, 48.4755

Details

The XYZ color **78.8442, 92.4176, 30.5125** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.4301, 23.5985, 95.8326**, and the grayscale version is **81.3013, 85.5353, 93.1480**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **43.0839, 51.7496, 12.2753** is the 20% darker color. If you saturate the color by 10%, you get **77.5536, 91.9047, 23.7092**, and if you desaturate by 10%, it is **80.5412, 93.0998, 39.4364**.

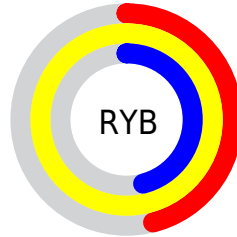
Distribution



Red (99%)

Green (99%)

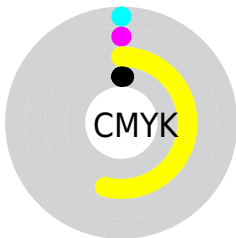
Blue (46%)



Red (46%)

Yellow (99%)

Blue (46%)

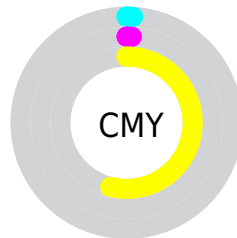


Cyan (0%)

Magenta (0%)

Yellow (54%)

Black (1%)



Cyan (1%)


Magenta (1%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8442, 92.4176, 30.5125 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 78.8442, 92.4176, 30.5125 by changing the saturation by 10% instead.


 78.8442, 92.4176,
30.5125


 78.8442, 92.4176,
30.5125


479.8252,
535.8642, 318.5674


 59.0729, 69.9875,
19.9726


 130.6986,
150.6920, 61.5423

 42.9184, 51.5164,
12.1912


 163.5124,
187.3052, 82.8692

 30.0153, 36.6197,
6.7499


 201.4044,
229.4149, 108.6289

 19.9984, 24.9132,
3.2301

244.7400,
277.4054, 139.2399

 12.5021, 16.0124,
1.2133

293.8845,
331.6612, 175.1207

 7.1612, 9.5329,
0.0000

349.2033,

 3.6104, 5.0904,

392.5667, 216.6898

0.0000

411.0618,
460.5062, 264.3659

■ 1.4842, 2.3004,
0.0000

■ 0.3150, 0.7739,
0.0000

■ 78.8442, 92.4176,
30.5125

■ 78.8442, 92.4176,
30.5125

■ 77.5536, 91.9047,
23.7092

■ 80.5412, 93.0998,
39.4364

■ 76.6296, 91.5350,
18.8459


■ 82.6674, 93.9504,
50.6305


■ 76.0358, 91.2975,
15.7218


■ 85.2519, 94.9842,
64.2377

■ 75.7254, 91.1732,
14.0895


■ 88.3192, 96.2112,
80.3873


 75.6330, 91.1362,
13.6048

 91.8921, 97.6404,
99.1996

 93.6882, 98.3589,
108.6550

 93.6887, 98.3592,
108.6550

 93.6892, 98.3594,
108.6551

 93.6897, 98.3597,
108.6551

Harmonies

Analogous

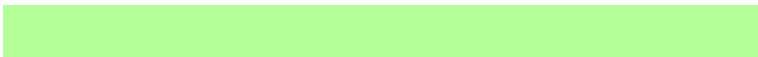
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.3901, 92.4176, 30.4784



78.8442, 92.4176, 30.5125



64.8348, 92.4176, 44.1742

Triad

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



78.8442, 92.4176, 30.5125



64.8937, 92.4176, 192.1720



127.2063, 92.4176, 129.4209

Complementary

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



78.8442, 92.4176, 30.5125



31.4301, 23.5985, 95.8326

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.



115.7301, 92.4176, 191.8545



78.8442, 92.4176, 30.5125



78.9358, 92.4176, 235.9005

Square

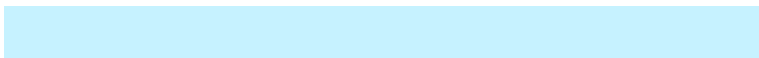
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8442, 92.4176, 30.5125



57.5898, 92.4176, 129.7546



97.4956, 92.4176, 235.7672



127.1725, 92.4176, 76.2214

Rectangle

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



78.8442, 92.4176, 30.5125



59.1902, 92.4176, 63.2919



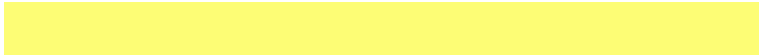
97.4956, 92.4176, 235.7672



124.5024, 92.4176, 150.3436

Sweetspot

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



78.8464, 92.4219, 30.5144



89.1624, 97.6449, 77.9003



50.0834, 34.8919, 20.9260



18.9430, 20.8434, 15.9292



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.



78.8464, 92.4219, 30.5144



78.8104, 93.5038, 23.4006



58.3474, 81.8543, 29.5551



19.5612, 21.0907, 19.1843



40.2316, 48.4782, 7.2368



3.9172, 4.7202, 0.7046

Inverse Universe

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



31.4301, 23.5985, 95.8326



25.7879, 16.5431, 96.4417



44.1013, 30.1308, 96.4256



17.0032, 17.3779, 22.7080



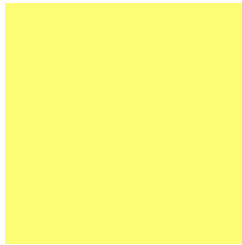
9.4316, 3.7727, 49.6657



0.9184, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 78.8442, 92.4176, 30.5125 looks on a white background.

Color Contrast Check

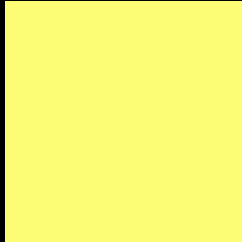
Large Text (above 18pt) WCAG AA × Fail

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 78.8442, 92.4176, 30.5125 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 78.8442, 92.4176, 30.5125

Background



This preview shows how black text looks on a background with the XYZ color 78.8442, 92.4176, 30.5125.



This preview shows how white text looks on a background with the XYZ color 78.8442, 92.4176,

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

78.8442, 92.4176, 30.5125

Protanopia

86.4615, 92.0778, 77.5058

Deuteranopia

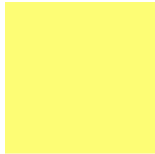
88.7437, 92.5053, 91.0199



Tritanopia

90.7032, 92.3262, 104.3070

Trichromacy



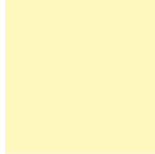
Original Color

78.8442, 92.4176, 30.5125



Protanomaly

82.8854, 92.0769, 56.0519



Deuteranomaly

83.8444, 91.9672, 62.6226



Tritanomaly

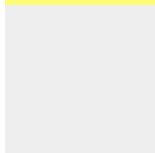
84.7945, 91.8566, 69.1381

Monochromacy



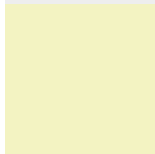
Original Color

78.8442, 92.4176, 30.5125



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.7503, 87.0509, 63.6909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8442, 92.4176, 30.5125 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(253, 253, 117)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 117)  
}
```

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(253, 253, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 117) }
```

Border

The CSS property to change the border of an element to XYZ 78.8442, 92.4176, 30.5125 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(253, 253, 117) }
```


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

```
.border{ border-color:rgb(253, 253, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 253, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 117);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8442, 92.4176, 30.5125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 117) }
```

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

```
.background{ background-color: rgb(253,  
253, 117) }
```

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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