

Converting Colors

XYZ(76.7541, 90.0078, 38.1864)

Have a look what the booklet for
XYZ(76.7541, 90.0078, 38.1864)
contains.

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Color

**XYZ(76.8870, 90.3003,
38.1883)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FB8C
RGB	245, 251, 140
RGB Percent	96%, 98%, 55%
CMY	0.0392, 0.0157, 0.4510
CMYK	0.02, 0.00, 0.44, 0.02
HSL	63°, 93%, 77%
HSV	63°, 44%, 98%
XYZ	76.8870, 90.3003, 38.1883
YIQ	236.5520, 32.0550, -35.7930

Conversions

Conversions Part 2

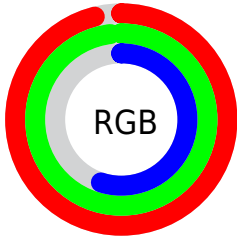
Format	Color
R _Y B	140, 251, 146
Decimal	16120716
CIE Lab	96.12, -17.40, 52.27
CIE LCh	96, 55.089, 108.413
Yxy	90.3003, 0.3744, 0.4397
Android (android.graphics.Color)	4294310796 (0xFFFF5FB8C)
YUV	236.5520, -47.6001, 7.4089
Hunter-Lab	95.0265, -21.8699, 42.6916

Details

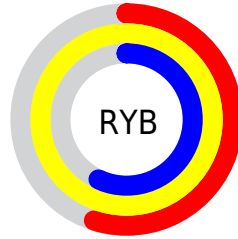
The XYZ color **76.8870, 90.3003, 38.1883** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.6480, 31.8344, 95.3799**, and the grayscale version is **80.4908, 84.6826, 92.2193**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **41.7289, 50.2831, 16.5231** is the 20% darker color. If you saturate the color by 10%, you get **74.7721, 89.4030, 29.5059**, and if you desaturate by 10%, it is **79.4320, 91.3765, 49.0978**.

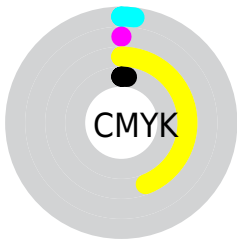
Distribution



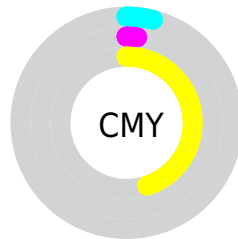
- Red (96%)
- Green (98%)
- Blue (55%)



- Red (55%)
- Yellow (98%)
- Blue (57%)



- Cyan (2%)
- Magenta (0%)
- Yellow (44%)
- Black (2%)





- Cyan (4%)
- Magenta (2%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8870, 90.3003, 38.1883 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 76.8870, 90.3003, 38.1883 by changing the saturation by 10% instead.


 76.8870, 90.3003,
38.1883


 76.8870, 90.3003,
38.1883


473.2765,
529.0072, 353.7494

 57.4597, 68.2297,
25.8259


 127.9536,
147.7555, 73.6033

 41.6160, 50.0847,
16.4688


 160.3237,
183.9088, 97.4929

 28.9906, 35.4807,
9.6986


197.7388,
225.5253, 126.0621

 19.2179, 24.0334,
5.0966

240.5643,
272.9892, 159.7293

 11.9328, 15.3584,
2.2443

289.1654,
326.6849, 198.9131

 6.7698, 9.0713,
0.6998

343.9076,

 3.3636, 4.7877,

386.9969, 244.0320

0.0000

405.1562,
454.3096, 295.5046

■ 1.3488, 2.1233,
0.0000

■ 0.2193, 0.6777,
0.0000

■ 76.8870, 90.3003,
38.1883

■ 76.8870, 90.3003,
38.1883

■ 74.7721, 89.4030,
29.5059

■ 79.4320, 91.3765,
49.0978

■ 73.0515, 88.6607,
22.8917


■ 82.4267, 92.6297,
62.3674


■ 71.6947, 88.0642,
18.1752


■ 85.8977, 94.0739,
78.1265


■ 70.6637, 87.5984,
15.1559

■ 89.8674, 95.7179,
96.4934


 69.9119, 87.2448,
13.5887

 92.6185, 96.8749,
108.4249

 69.5660, 87.0760,
13.1408

 93.1116, 97.1291,
108.4480

 93.6083, 97.3852,
108.4713

 93.7892, 97.4784,
108.4797

Harmonies

Analogous

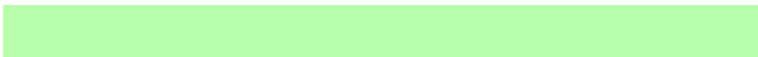
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8592, 90.3003, 36.8261



76.8870, 90.3003, 38.1883



65.6937, 90.3003, 52.4159

Triad

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



76.8870, 90.3003, 38.1883



67.7829, 90.3003, 175.5442



117.9101, 90.3003, 116.1907

Complementary

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



76.8870, 90.3003, 38.1883



38.6480, 31.8344, 95.3799

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.



109.7049, 90.3003, 165.3350



76.8870, 90.3003, 38.1883



80.0662, 90.3003, 205.7926

Square

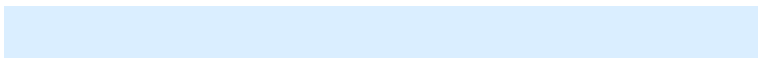
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8870, 90.3003, 38.1883



60.8832, 90.3003, 127.3332



95.4360, 90.3003, 201.5837



116.7960, 90.3003, 74.0897

Rectangle

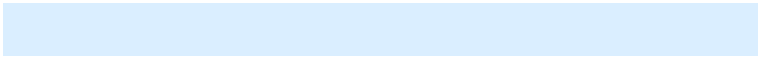
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8870, 90.3003, 38.1883



61.3266, 90.3003, 70.5244



95.4360, 90.3003, 201.5837



116.1143, 90.3003, 132.6041

Sweetspot

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



76.8892, 90.3044, 38.1902



89.5078, 97.7072, 83.1437



54.7300, 42.8243, 30.1935



18.9759, 20.8377, 16.9594



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

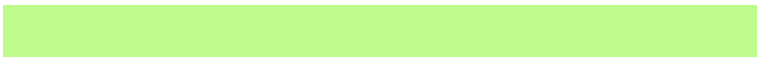
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8892, 90.3044, 38.1902



77.7415, 92.7717, 31.5309



60.4570, 81.8333, 37.4212



18.6291, 20.1401, 18.3680



36.6056, 45.7892, 6.9089



3.4179, 4.2551, 0.6412

Inverse Universe

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



38.6480, 31.8344, 95.3799



33.5252, 25.1415, 97.6936



50.8944, 38.1477, 95.9530



16.3699, 16.6878, 21.7436



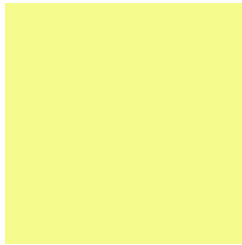
9.2806, 3.7270, 48.2038



0.8892, 0.3605, 4.4659

Previews

White Background



This preview shows how the XYZ color 76.8870, 90.3003, 38.1883 looks on a white background.

Color Contrast Check

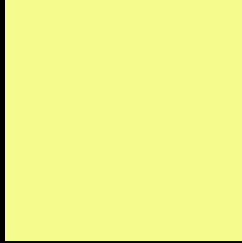
Large Text (above 18pt) WCAG AA × Fail

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 76.8870, 90.3003, 38.1883 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 76.8870, 90.3003, 38.1883

Background



This preview shows how black text looks on a background with the XYZ color 76.8870, 90.3003, 38.1883.

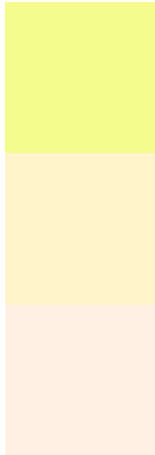


This preview shows how white text looks on a background with the XYZ color 76.8870, 90.3003,

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

76.8870, 90.3003, 38.1883

Protanopia

84.3702, 90.2732, 69.4776

Deuteranopia

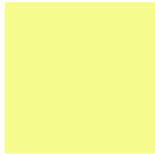
86.9957, 90.3657, 86.2559



Tritanopia

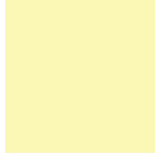
89.9959, 90.1488, 106.4231

Trichromacy



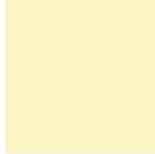
Original Color

76.8870, 90.3003, 38.1883



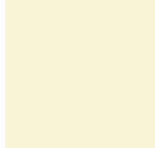
Protanomaly

81.2826, 90.3260, 56.3306



Deuteranomaly

82.3999, 89.7996, 65.2147



Tritanomaly

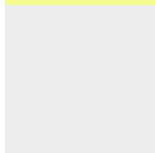
83.8445, 89.4145, 75.7904

Monochromacy



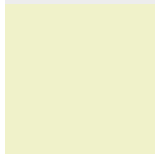
Original Color

76.8870, 90.3003, 38.1883



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.3480, 86.2938, 68.4041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8870, 90.3003, 38.1883 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(245, 251, 140)` looks like.

```
.text, #text, p{  
    color:rgb(245, 251, 140)  
}
```

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(245, 251, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 251, 140) }
```

Border

The CSS property to change the border of an element to XYZ 76.8870, 90.3003, 38.1883 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(245, 251, 140) }
```


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

```
.border{ border-color:rgb(245, 251, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 251, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 251, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 251, 140);  
box-shadow:4px 4px 4px 4px rgb(245, 251,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8870, 90.3003, 38.1883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 251, 140) }
```

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

```
.background{ background-color: rgb(245,  
251, 140) }
```

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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