

Converting Colors

XYZ(81.5342, 100.0000,
39.5624)

Have a look what the booklet for
XYZ(81.5342, 100.0000, 39.5624)
contains.

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Color

**XYZ(77.7284, 92.6172,
38.2063)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FF8B
RGB	244, 255, 139
RGB Percent	96%, 100%, 55%
CMY	0.0431, 0.0000, 0.4549
CMYK	0.04, 0.00, 0.45, 0.00
HSL	66°, 100%, 77%
HSV	66°, 45%, 100%
XYZ	77.7284, 92.6172, 38.2063
YIQ	238.4870, 30.6800, -38.4080

Conversions

Conversions Part 2

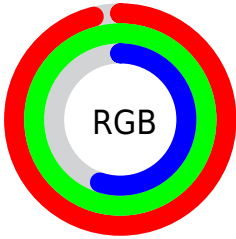
Format	Color
R _Y B	139, 255, 150
Decimal	16056203
CIE Lab	97.07, -19.81, 53.89
CIE LCh	97, 57.410, 110.180
Yxy	92.6172, 0.3727, 0.4441
Android (android.graphics.Color)	4294246283 (0xFFFF4FF8B)
YUV	238.4870, -49.0471, 4.8349
Hunter-Lab	96.2378, -24.2471, 43.8284

Details

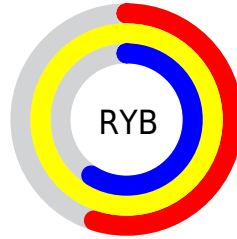
The XYZ color **77.7284, 92.6172, 38.2063** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.8614, 32.1706, 98.7164**, and the grayscale version is **81.9966, 86.2668, 93.9446**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **42.1235, 51.4992, 16.5243** is the 20% darker color. If you saturate the color by 10%, you get **75.2435, 91.5269, 29.4725**, and if you desaturate by 10%, it is **80.6592, 93.8870, 49.2316**.

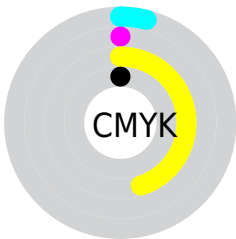
Distribution



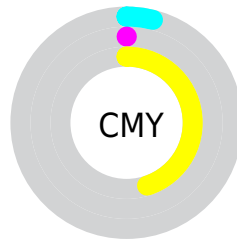
- Red (96%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (59%)



- Cyan (4%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7284, 92.6172, 38.2063 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 77.7284, 92.6172, 38.2063 by changing the saturation by 10% instead.

77.7284, 92.6172,
38.2063

77.7284, 92.6172,
38.2063

476.0979,
536.5082, 353.8288

58.1529, 70.1534,
25.8398

129.1346,
150.9685, 73.6312

42.1753, 51.6516,
16.4791

161.6960,
187.6248, 97.5266

29.4303, 36.7274,
9.7058

199.3167,
229.7807, 126.1020

19.5525, 24.9965,
5.1013

242.3621,
277.8206, 159.7761

12.1765, 16.0745,
2.2470

291.1976,
332.1289, 198.9672

6.9371, 9.5769,
0.7013

346.1885,

3.4688, 5.1193,

393.0901, 244.0940

0.0000

407.7001,
461.0883, 295.5750

■ 1.4062, 2.3174,
0.0000

■ 0.2607, 0.7829,
0.0000

■ 77.7284, 92.6172,
38.2063

■ 77.7284, 92.6172,
38.2063

■ 75.2435, 91.5269,
29.4725

■ 80.6592, 93.8870,
49.2316

■ 73.1733, 90.6038,
22.8649

■ 84.0632, 95.3475,
62.6904

■ 71.4833, 89.8340,
18.2023

■ 87.9659, 97.0087,
78.7178

■ 70.1330, 89.2014,
15.2717

■ 92.3910, 98.8802,
97.4379

■ 69.0724, 88.6858, 95.0500, 100.0000,
13.8097 108.9000

■ 68.6561, 88.4786,
13.4595

Harmonies

Analogous

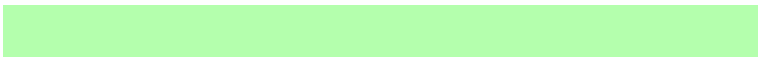
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4425, 92.6172, 36.0673



77.7284, 92.6172, 38.2063



66.2332, 92.6172, 53.8752

Triad

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



77.7284, 92.6172, 38.2063



69.5740, 92.6172, 185.9168



122.3778, 92.6172, 116.8144

Complementary

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



77.7284, 92.6172, 38.2063



39.8614, 32.1706, 98.7164

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.



114.1499, 92.6172, 169.3311



77.7284, 92.6172, 38.2063



82.8304, 92.6172, 216.5676

Square

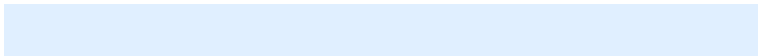
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7284, 92.6172, 38.2063



61.9407, 92.6172, 134.8072



99.2035, 92.6172, 209.7100



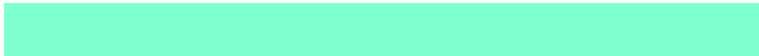
120.5756, 92.6172, 73.1263

Rectangle

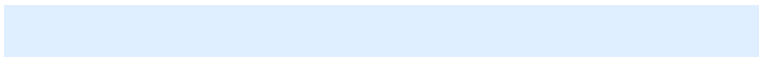
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7284, 92.6172, 38.2063



61.8877, 92.6172, 73.5529



99.2035, 92.6172, 209.7100



120.6583, 92.6172, 134.1681

Sweetspot

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



77.7286, 92.6172, 38.2075



88.5911, 97.2738, 81.3316



56.5957, 44.5147, 30.0366



18.7690, 20.7387, 16.6017



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

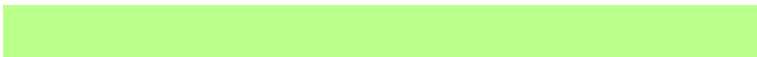
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7286, 92.6172, 38.2075



75.3551, 91.5762, 29.8487



60.9961, 83.9913, 37.4245



19.3814, 20.9980, 19.1759



35.9440, 46.2679, 7.0361



3.5471, 4.5294, 0.6873

Inverse Universe

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



39.8614, 32.1706, 98.7164



33.0619, 24.0176, 97.5011



52.9226, 38.9038, 99.3276



17.1627, 17.4601, 22.7155



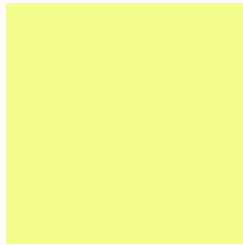
9.6835, 3.9025, 49.6775



0.9940, 0.4063, 4.8393

Previews

White Background



This preview shows how the XYZ color 77.7284, 92.6172, 38.2063 looks on a white background.

Color Contrast Check

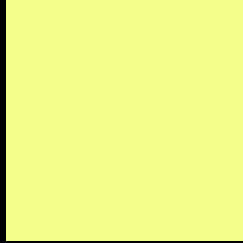
Large Text (above 18pt) WCAG AA × Fail

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 77.7284, 92.6172, 38.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

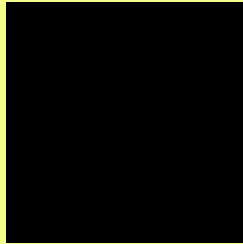
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7284, 92.6172, 38.2063

Background



This preview shows how black text looks on a background with the XYZ color 77.7284, 92.6172, 38.2063.



This preview shows how white text looks on a background with the XYZ color 77.7284, 92.6172,

Color Blindness Simulation

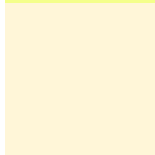
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



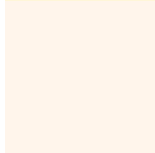
Original Color

77.7284, 92.6172, 38.2063



Protanopia

86.5904, 92.1294, 78.1847



Deuteranopia

88.8878, 92.5630, 91.7788



Tritanopia

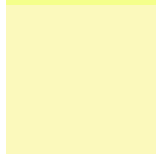
90.9736, 92.3920, 107.6464

Trichromacy



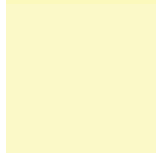
Original Color

77.7284, 92.6172, 38.2063



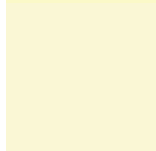
Protanomaly

82.7364, 91.8914, 60.9531



Deuteranomaly

84.0847, 92.4307, 68.0528



Tritanomaly

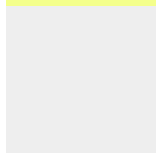
84.6953, 91.6496, 76.1770

Monochromacy



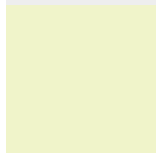
Original Color

77.7284, 92.6172, 38.2063



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9465, 87.4909, 68.6036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7284, 92.6172, 38.2063 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(244, 255, 139)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 139)  
}
```

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(244, 255, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 139) }
```

Border

The CSS property to change the border of an element to XYZ 77.7284, 92.6172, 38.2063 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(244, 255, 139) }
```


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

```
.border{ border-color:rgb(244, 255, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7284, 92.6172, 38.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 139) }
```

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

```
.background{ background-color: rgb(244,  
255, 139) }
```

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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