

Converting Colors

XYZ(77.6842, 92.6053, 37.7113)

Have a look what the booklet for
XYZ(77.6842, 92.6053, 37.7113)
contains.

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Color

**XYZ(77.6557, 92.5881,
37.8232)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FF8A
RGB	244, 255, 138
RGB Percent	96%, 100%, 54%
CMY	0.0431, 0.0000, 0.4588
CMYK	0.04, 0.00, 0.46, 0.00
HSL	66°, 100%, 77%
HSV	66°, 46%, 100%
XYZ	77.6557, 92.5881, 37.8232
YIQ	238.3730, 31.0010, -38.7190

Conversions

Conversions Part 2

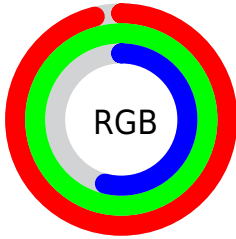
Format	Color
RYB	138, 255, 149
Decimal	16056202
CIELab	97.06, -19.90, 54.34
CIElCh	97, 57.868, 110.114
Yxy	92.5881, 0.3732, 0.4450
Android (android.graphics.Color)	4294246282 (0xFFFF4FF8A)
YUV	238.3730, -49.4839, 4.9349
Hunter-Lab	96.2227, -24.3329, 44.0502

Details

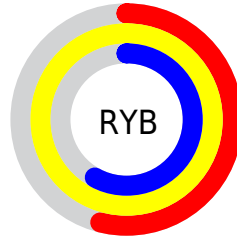
The XYZ color **77.6557, 92.5881, 37.8232** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.5340, 31.7878, 98.6597**, and the grayscale version is **81.9111, 86.1769, 93.8466**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **42.0835, 51.4831, 16.3135** is the 20% darker color. If you saturate the color by 10%, you get **75.1943, 91.5080, 29.1763**, and if you desaturate by 10%, it is **80.5617, 93.8472, 48.7556**.

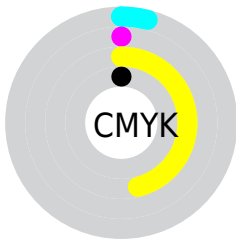
Distribution



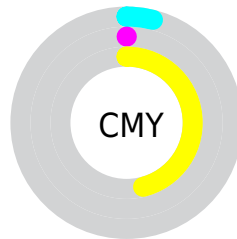
- Red (96%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (58%)



- Cyan (4%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6557, 92.5881, 37.8232 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 77.6557, 92.5881, 37.8232 by changing the saturation by 10% instead.

77.6557, 92.5881,
37.8232

77.6557, 92.5881,
37.8232

475.8545,
536.4144, 352.1364

58.0930, 70.1292,
25.5447

129.0326,
150.9282, 73.0375

42.1270, 51.6319,
16.2607

161.5775,
187.5782, 96.8104

29.3923, 36.7117,
9.5524

199.1805,
229.7274, 125.2518

19.5235, 24.9844,
5.0015

242.2069,
277.7601, 158.7804

12.1554, 16.0654,
2.1894

291.0222,
332.0608, 197.8146

6.9226, 9.5705,
0.6682

345.9917,

3.4596, 5.1151,

393.0138, 242.7729

0.0000

407.4806,
461.0035, 294.0740

■ 1.4012, 2.3150,
0.0000

■ 0.2571, 0.7816,
0.0000

■ 77.6557, 92.5881,
37.8232

■ 77.6557, 92.5881,
37.8232

■ 75.1943, 91.5080,
29.1763

■ 80.5617, 93.8472,
48.7556

■ 73.1462, 90.5946,
22.6488

■ 83.9395, 95.2963,
62.1160

■ 71.4766, 89.8337,
18.0587

■ 87.8150, 96.9458,
78.0400

■ 70.1448, 89.2092,
15.1914

■ 92.2118, 98.8050,
96.6519

■ 69.1002, 88.7009, 95.0500, 100.0000,
13.7808 108.9000

■ 68.7229, 88.5130,
13.4626

Harmonies

Analogous

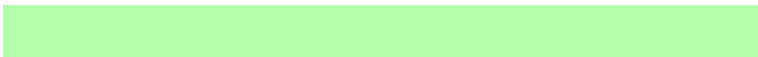
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4951, 92.5881, 35.7089



77.6557, 92.5881, 37.8232



66.0723, 92.5881, 53.5031

Triad

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



77.6557, 92.5881, 37.8232



69.3908, 92.5881, 186.5895



122.6401, 92.5881, 117.0265

Complementary

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



77.6557, 92.5881, 37.8232



39.5340, 31.7878, 98.6597

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.



114.3158, 92.5881, 170.0429



77.6557, 92.5881, 37.8232



82.7288, 92.5881, 217.6517

Square

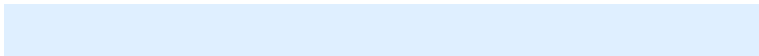
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6557, 92.5881, 37.8232



61.7250, 92.5881, 134.9472



99.2292, 92.5881, 210.8047



120.8442, 92.5881, 72.9822

Rectangle

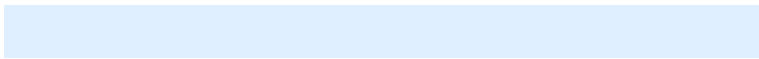
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6557, 92.5881, 37.8232



61.6914, 92.5881, 73.2531



99.2292, 92.5881, 210.8047



120.8969, 92.5881, 134.5400

Sweetspot

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



77.6559, 92.5881, 37.8244



88.6016, 97.2792, 81.3321



56.3789, 44.1975, 29.6055



18.7716, 20.7400, 16.6019



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

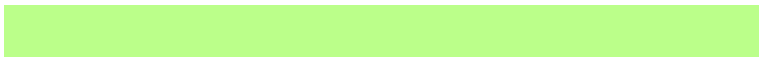
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6559, 92.5881, 37.8244



75.3941, 91.5963, 29.8505



60.7806, 83.8886, 37.0347



19.3829, 20.9988, 19.1759



35.9784, 46.2856, 7.0378



3.5501, 4.5309, 0.6874

Inverse Universe

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



39.5340, 31.7878, 98.6597



33.0448, 24.0088, 97.5003



52.6624, 38.5558, 99.2741



17.1614, 17.4594, 22.7154



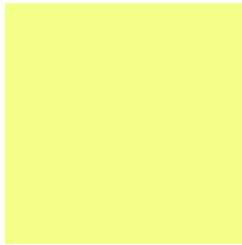
9.6806, 3.9010, 49.6773



0.9933, 0.4060, 4.8393

Previews

White Background



This preview shows how the XYZ color 77.6557, 92.5881, 37.8232 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 77.6557, 92.5881, 37.8232 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 77.6557, 92.5881, 37.8232

Background



This preview shows how black text looks on a background with the XYZ color 77.6557, 92.5881, 37.8232.

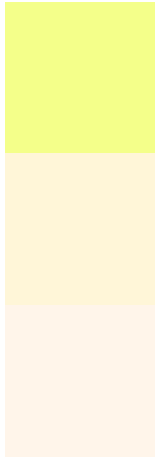


This preview shows how white text looks on a background with the XYZ color 77.6557, 92.5881,

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

77.6557, 92.5881, 37.8232

Protanopia

86.5904, 92.1294, 78.1847

Deuteranopia

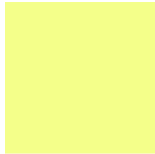
88.7437, 92.5053, 91.0199



Tritanopia

90.9736, 92.3920, 107.6464

Trichromacy



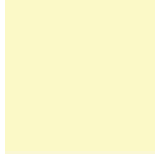
Original Color

77.6557, 92.5881, 37.8232



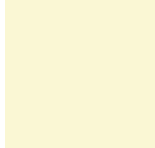
Protanomaly

82.7364, 91.8914, 60.9531



Deuteranomaly

83.9681, 92.3841, 67.4392



Tritanomaly

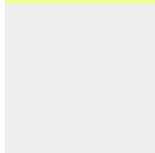
84.5688, 91.5990, 75.5105

Monochromacy



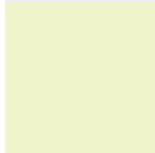
Original Color

77.6557, 92.5881, 37.8232



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 77.6557, 92.5881, 37.8232 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 138) }
```

Border

The CSS property to change the border of an element to XYZ 77.6557, 92.5881, 37.8232 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, 138) }
```


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

```
.border{ border-color:rgb(244, 255, 138) }
```

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, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6557, 92.5881, 37.8232 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, 138) }
```

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

```
.background{ background-color: rgb(244,  
255, 138) }
```

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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