

Converting Colors

XYZ(80.7595, 100.0000,
38.3474)

Have a look what the booklet for
XYZ(80.7595, 100.0000, 38.3474)
contains.

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Color

**XYZ(76.8219, 92.1748,
37.0351)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F2FF88 |
| RGB | 242, 255, 136 |
| RGB Percent | 95%, 100%, 53% |
| CMY | 0.0510, 0.0000, 0.4667 |
| CMYK | 0.05, 0.00, 0.47, 0.00 |
| HSL | 67°, 100%, 77% |
| HSV | 67°, 47%, 100% |
| XYZ | 76.8219, 92.1748, 37.0351 |
| YIQ | 237.5470, 30.4510, -39.7650 |

Conversions

Conversions Part 2

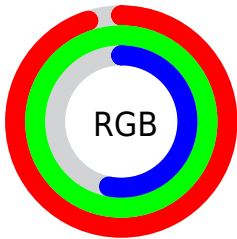
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 136, 255, 149 |
| Decimal | 15925128 |
| CIE Lab | 96.89, -20.85, 55.03 |
| CIE LCh | 97, 58.850, 110.753 |
| Yxy | 92.1748, 0.3729, 0.4474 |
| Android (android.graphics.Color) | 4294115208 (0xFFFF2FF88) |
| YUV | 237.5470, -50.0627, 3.9053 |
| Hunter-Lab | 96.0077, -25.1842, 44.3342 |

Details

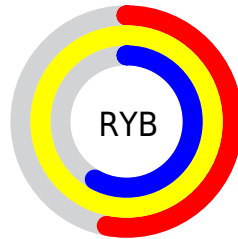
The XYZ color **76.8219, 92.1748, 37.0351** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.2497, 31.2191, 98.5650**, and the grayscale version is **81.2750, 85.5077, 93.1179**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **41.5226, 51.2030, 15.8783** is the 20% darker color. If you saturate the color by 10%, you get **74.2709, 91.0448, 28.5548**, and if you desaturate by 10%, it is **79.8190, 93.4850, 47.7889**.

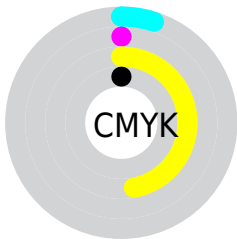
Distribution



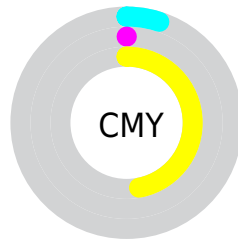
- Red (95%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (58%)



- Cyan (5%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8219, 92.1748, 37.0351 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 76.8219, 92.1748, 37.0351 by changing the saturation by 10% instead.

76.8219, 92.1748,
37.0351

76.8219, 92.1748,
37.0351

473.0578,
535.0803, 348.6357

57.4061, 69.7858,
24.9387

127.8622,
150.3556, 71.8137

41.5728, 51.3519,
15.8128

160.2175,
186.9163, 95.3329

28.9566, 36.4888,
9.2388

197.6166,
228.9696, 123.4969

19.1921, 24.8119,
4.7984

240.4250,
276.9000, 156.7240

11.9140, 15.9370,
2.0728

289.0079,
331.0919, 195.4330

6.7569, 9.4796,
0.5995

343.7308,

3.3555, 5.0553,

391.9296, 240.0422

0.0000

404.9590,
459.7976, 290.9703

■ 1.3444, 2.2797,
0.0000

■ 0.2161, 0.7630,
0.0000

■ 76.8219, 92.1748,
37.0351

■ 76.8219, 92.1748,
37.0351

■ 74.2709, 91.0448,
28.5548

■ 79.8190, 93.4850,
47.7889

■ 72.1343, 90.0822,
22.1807

■ 83.2896, 94.9862,
60.9599

■ 70.3770, 89.2730,
17.7286

■ 87.2598, 96.6890,
76.6845

■ 68.9575, 88.6006,
14.9808

■ 91.7532, 98.6028,
95.0878

■ 67.8240, 88.0442, 95.0500, 100.0000,
13.6637 108.9000

■ 67.4833, 87.8740,
13.4046

Harmonies

Analogous

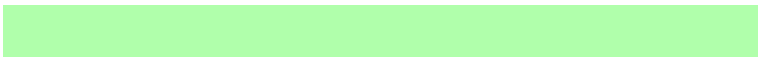
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8171, 92.1748, 34.6577



76.8219, 92.1748, 37.0351



65.2266, 92.1748, 53.0830

Triad

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



76.8219, 92.1748, 37.0351



68.9986, 92.1748, 188.6578



122.8769, 92.1748, 115.7133

Complementary

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



76.8219, 92.1748, 37.0351



39.2497, 31.2191, 98.5650

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.



114.6033, 92.1748, 169.6764



76.8219, 92.1748, 37.0351



82.6002, 92.1748, 219.6950

Square

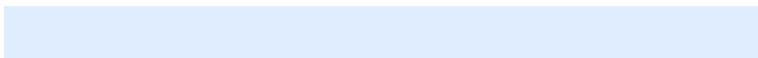
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8219, 92.1748, 37.0351



61.1201, 92.1748, 136.1991



99.3622, 92.1748, 211.8272



120.8219, 92.1748, 71.4380

Rectangle

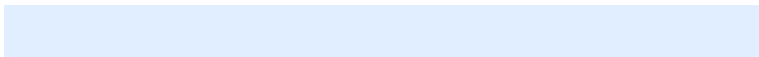
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8219, 92.1748, 37.0351



60.8956, 92.1748, 73.2456



99.3622, 92.1748, 211.8272



121.1763, 92.1748, 133.4616

Sweetspot

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



76.8221, 92.1749, 37.0364



88.4054, 97.1781, 81.3229



56.2589, 44.1870, 28.8576



18.7233, 20.7151, 16.5996



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

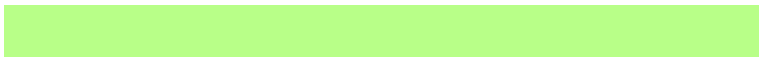
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8221, 92.1749, 37.0364



74.4274, 91.1146, 29.0518



59.8761, 83.4389, 36.2433



19.3542, 20.9840, 19.1746



35.3401, 45.9566, 7.0079



3.4945, 4.5022, 0.6848

Inverse Universe

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



39.2497, 31.2191, 98.5650



32.7384, 23.4263, 97.4040



52.6990, 38.1525, 99.1944



17.1872, 17.4727, 22.7167



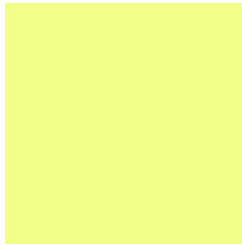
9.7385, 3.9309, 49.6800



1.0055, 0.4123, 4.8399

Previews

White Background



This preview shows how the XYZ color 76.8219, 92.1748, 37.0351 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 76.8219, 92.1748, 37.0351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

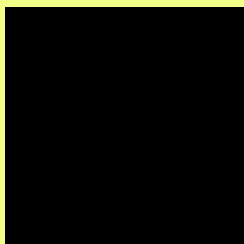
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.8219, 92.1748, 37.0351

Background



This preview shows how black text looks on a background with the XYZ color 76.8219, 92.1748, 37.0351.



This preview shows how white text looks on a background with the XYZ color 76.8219, 92.1748,

Color Blindness Simulation

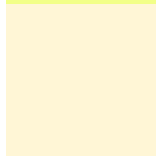
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



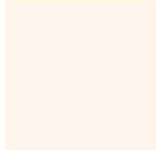
Original Color

76.8219, 92.1748, 37.0351



Protanopia

86.3334, 92.0266, 76.8310



Deuteranopia

88.2987, 91.8446, 90.1647



Tritanopia

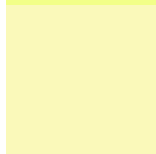
90.6086, 92.2038, 107.6293

Trichromacy



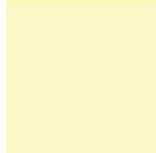
Original Color

76.8219, 92.1748, 37.0351



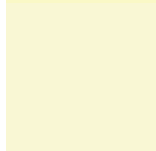
Protanomaly

82.1629, 91.6205, 59.8085



Deuteranomaly

83.1848, 91.5360, 66.7100



Tritanomaly

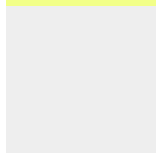
84.2114, 91.4147, 75.4937

Monochromacy



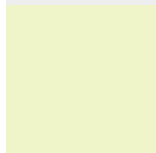
Original Color

76.8219, 92.1748, 37.0351



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.4899, 87.2691, 67.9661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8219, 92.1748, 37.0351 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(242, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 136)  
}
```

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(242, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 136) }
```

Border

The CSS property to change the border of an element to XYZ 76.8219, 92.1748, 37.0351 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(242, 255, 136) }
```


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

```
.border{ border-color:rgb(242, 255, 136) }
```

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

Here you see how a box with a 4 pixel rgb(242, 255, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8219, 92.1748, 37.0351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 136) }
```

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

```
.background{ background-color: rgb(242,  
255, 136) }
```

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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