

Converting Colors

XYZ(77.0574, 92.2844, 37.5798)

Have a look what the booklet for
XYZ(77.0574, 92.2844, 37.5798)
contains.

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Color

**XYZ(76.8933, 92.2034,
37.4112)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FF89
RGB	242, 255, 137
RGB Percent	95%, 100%, 54%
CMY	0.0510, 0.0000, 0.4627
CMYK	0.05, 0.00, 0.46, 0.00
HSL	67°, 100%, 77%
HSV	67°, 46%, 100%
XYZ	76.8933, 92.2034, 37.4112
YIQ	237.6610, 30.1300, -39.4540

Conversions

Conversions Part 2

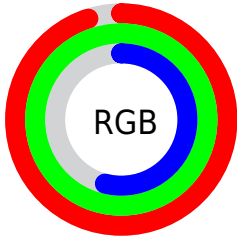
Format	Color
R_{YB}	137, 255, 150
Decimal	15925129
CIE _{Lab}	96.90, -20.76, 54.58
CIE _{LCh}	97, 58.395, 110.824
Yxy	92.2034, 0.3724, 0.4465
Android (android.graphics.Color)	4294115209 (0xFFFF2FF89)
YUV	237.6610, -49.6259, 3.8053
Hunter-Lab	96.0226, -25.0997, 44.1159

Details

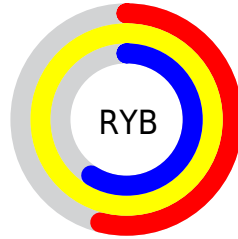
The XYZ color **76.8933, 92.2034, 37.4112** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.5744, 31.5966, 98.6207**, and the grayscale version is **81.3602, 85.5972, 93.2154**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **41.5615, 51.2186, 16.0832** is the 20% darker color. If you saturate the color by 10%, you get **74.3179, 91.0627, 28.8445**, and if you desaturate by 10%, it is **79.9161, 93.5248, 48.2575**.

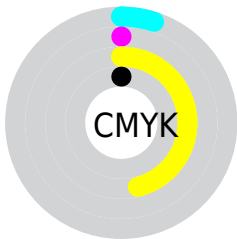
Distribution



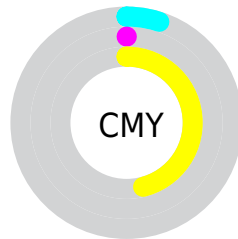
- Red (95%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (59%)



- Cyan (5%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8933, 92.2034, 37.4112 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 76.8933, 92.2034, 37.4112 by changing the saturation by 10% instead.


 76.8933, 92.2034,
37.4112


 76.8933, 92.2034,
37.4112


473.2977,
535.1727, 350.3095


 57.4649, 69.8096,
25.2277


 127.9625,
150.3953, 72.3981

 41.6202, 51.3713,
16.0263


 160.3340,
186.9621, 96.0387

 28.9938, 36.5042,
9.3882


 197.7507,
229.0221, 124.3354

 19.2204, 24.8238,
4.8950

240.5777,
276.9596, 157.7067

 11.9346, 15.9459,
2.1281

289.1806,
331.1590, 196.5713

 6.7710, 9.4859,
0.6324

343.9247,

 3.3644, 5.0594,

392.0047, 241.3476

0.0000

405.1752,
459.8811, 292.4541

■ 1.3493, 2.2822,
0.0000

■ 0.2196, 0.7642,
0.0000

■ 76.8933, 92.2034,
37.4112

■ 76.8933, 92.2034,
37.4112

■ 74.3179, 91.0627,
28.8445

■ 79.9161, 93.5248,
48.2575

■ 72.1585, 90.0901,
22.3907

■ 83.4138, 95.0378,
61.5265

■ 70.3801, 89.2716,
17.8668

■ 87.4122, 96.7529,
77.3542

■ 68.9417, 88.5907,
15.0565

■ 91.9350, 98.6794,
95.8654

■ 67.7919, 88.0271, 95.0500, 100.0000,
13.6908 108.9000

■ 67.4088, 87.8355,
13.4011

Harmonies

Analogous

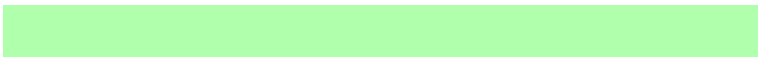
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7645, 92.2034, 35.0073



76.8933, 92.2034, 37.4112



65.3852, 92.2034, 53.4518

Triad

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



76.8933, 92.2034, 37.4112



69.1802, 92.2034, 187.9832



122.6151, 92.2034, 115.5026

Complementary

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



76.8933, 92.2034, 37.4112



39.5744, 31.5966, 98.6207

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.



114.4377, 92.2034, 168.9675



76.8933, 92.2034, 37.4112



82.7012, 92.2034, 218.6085

Square

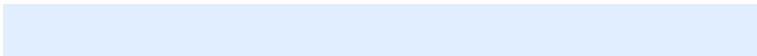
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8933, 92.2034, 37.4112



61.3333, 92.2034, 136.0592



99.3366, 92.2034, 210.7328



120.5540, 92.2034, 71.5787

Rectangle

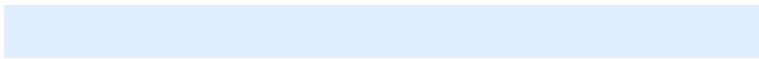
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8933, 92.2034, 37.4112



61.0891, 92.2034, 73.5444



99.3366, 92.2034, 210.7328



120.9381, 92.2034, 133.0921

Sweetspot

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



76.8935, 92.2034, 37.4124



88.3934, 97.1719, 81.3223



56.4719, 44.4988, 29.2808



18.7203, 20.7136, 16.5995



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

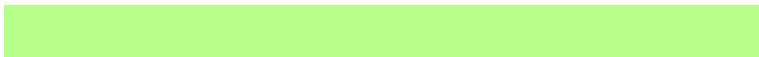
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8935, 92.2034, 37.4124



74.3826, 91.0916, 29.0497



60.0912, 83.5415, 36.6261



19.3525, 20.9831, 19.1745



35.3017, 45.9368, 7.0061



3.4911, 4.5005, 0.6847

Inverse Universe

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



39.5744, 31.5966, 98.6207



32.7583, 23.4365, 97.4049



52.9527, 38.4933, 99.2468



17.1888, 17.4735, 22.7167



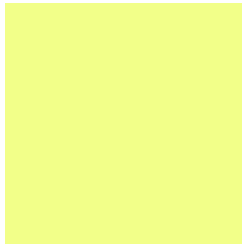
9.7423, 3.9328, 49.6802



1.0062, 0.4126, 4.8399

Previews

White Background



This preview shows how the XYZ color 76.8933, 92.2034, 37.4112 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 76.8933, 92.2034, 37.4112 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 76.8933, 92.2034, 37.4112

Background



This preview shows how black text looks on a background with the XYZ color 76.8933, 92.2034, 37.4112.



This preview shows how white text looks on a background with the XYZ color 76.8933, 92.2034,

Color Blindness Simulation

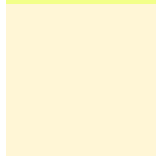
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



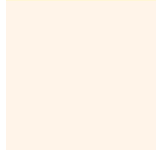
Original Color

76.8933, 92.2034, 37.4112



Protanopia

86.3334, 92.0266, 76.8310



Deuteranopia

88.2987, 91.8446, 90.1647



Tritanopia

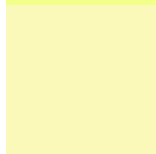
90.2455, 92.0166, 107.6123

Trichromacy



Original Color

76.8933, 92.2034, 37.4112



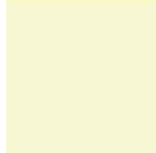
Protanomaly

82.1629, 91.6205, 59.8085



Deuteranomaly

83.1848, 91.5360, 66.7100



Tritanomaly

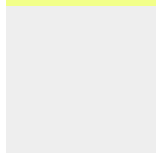
83.8558, 91.2315, 75.4771

Monochromacy



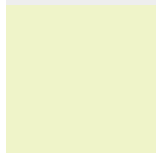
Original Color

76.8933, 92.2034, 37.4112



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 76.8933, 92.2034, 37.4112 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 137) }
```

Border

The CSS property to change the border of an element to XYZ 76.8933, 92.2034, 37.4112 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, 137) }
```


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

```
.border{ border-color:rgb(242, 255, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8933, 92.2034, 37.4112 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, 137) }
```

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

```
.background{ background-color: rgb(242,  
255, 137) }
```

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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