

Converting Colors

XYZ(74.8737, 91.3044, 30.8928)

Have a look what the booklet for
XYZ(74.8737, 91.3044, 30.8928)
contains.

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Color

**XYZ(74.9652, 91.3533,
30.8214)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FF76
RGB	240, 255, 118
RGB Percent	94%, 100%, 46%
CMY	0.0588, 0.0000, 0.5372
CMYK	0.06, 0.00, 0.54, 0.00
HSL	67°, 100%, 73%
HSV	67°, 54%, 100%
XYZ	74.9652, 91.3533, 30.8214
YIQ	234.8970, 35.0370, -45.7870

Conversions

Conversions Part 2

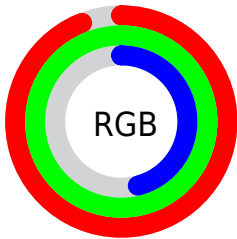
Format	Color
R_{YB}	118, 255, 133
Decimal	15794038
CIE _{Lab}	96.56, -23.19, 62.74
CIE _{LCh}	97, 66.889, 110.281
Yxy	91.3533, 0.3803, 0.4634
Android (android.graphics.Color)	4293984118 (0xFFFF0FF76)
YUV	234.8970, -57.6302, 4.4753
Hunter-Lab	95.5789, -27.2606, 47.7860

Details

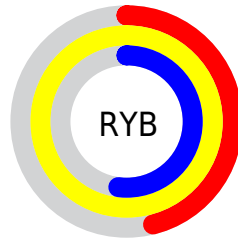
The XYZ color **74.9652, 91.3533, 30.8214** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **34.2024, 25.1647, 97.6623**, and the grayscale version is **79.2926, 83.4219, 90.8465**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **40.1473, 50.5708, 12.3478** is the 20% darker color. If you saturate the color by 10%, you get **72.7082, 90.3418, 23.8467**, and if you desaturate by 10%, it is **77.6465, 92.5361, 39.9560**.

Distribution



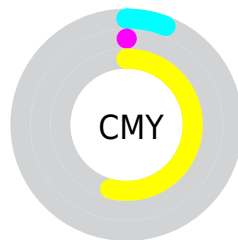
- Red (94%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (52%)



- Cyan (6%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.9652, 91.3533, 30.8214 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 74.9652, 91.3533, 30.8214 by changing the saturation by 10% instead.


 74.9652, 91.3533,
30.8214


 74.9652, 91.3533,
30.8214


466.7970,
532.4233, 320.0403


 55.8785, 69.1036,
20.2056


 125.2513,
149.2168, 62.0351

 40.3421, 50.7961,
12.3590


 157.1813,
185.5993, 83.4699

 27.9908, 36.0464,
6.8632


 194.1232,
227.4617, 109.3483

 18.4591, 24.4700,
3.2995

236.4422,
275.1881, 140.0886

 11.3818, 15.6826,
1.2495

284.5037,
329.1631, 176.1094

 6.3934, 9.2999,
0.0199

338.6731,

 3.1287, 4.9373,

389.7711, 217.8293

0.0000

399.3157,
457.3963, 265.6667

■ 1.2222, 2.2105,
0.0000

■ 0.1238, 0.7257,
0.0000

■ 74.9652, 91.3533,
30.8214

■ 74.9652, 91.3533,
30.8214

■ 72.7082, 90.3418,
23.8467

■ 77.6465, 92.5361,
39.9560

■ 70.8415, 89.4881,
18.8500

■ 80.7820, 93.9024,
51.4053

■ 69.3256, 88.7765,
15.6259

■ 84.3992, 95.4630,
65.3140

■ 68.1128, 88.1877,
13.9224

■ 88.5230, 97.2280,
81.8141

■ 67.4634, 87.8637,
13.4037

■ 93.1770, 99.2067,
101.0279

95.0500, 100.0000,
108.9000

Harmonies

Analogous

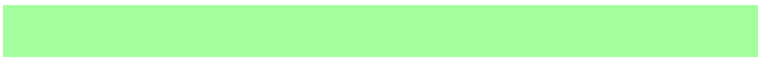
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0333, 91.3533, 28.6313



74.9652, 91.3533, 30.8214



62.0300, 91.3533, 47.1563

Triad

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



74.9652, 91.3533, 30.8214



65.8416, 91.3533, 201.4119



127.2552, 91.3533, 117.8608

Complementary

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



74.9652, 91.3533, 30.8214



34.2024, 25.1647, 97.6623

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.



117.4863, 91.3533, 180.7332



74.9652, 91.3533, 30.8214



80.9060, 91.3533, 239.1883

Square

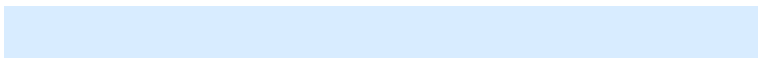
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9652, 91.3533, 30.8214



57.3102, 91.3533, 139.5500



99.8818, 91.3533, 230.4994



125.0601, 91.3533, 67.9057

Rectangle

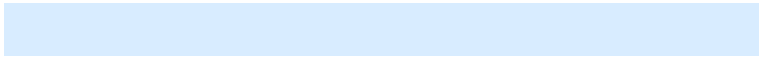
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9652, 91.3533, 30.8214



57.2188, 91.3533, 68.6445



99.8818, 91.3533, 230.4994



125.2140, 91.3533, 138.3635

Sweetspot

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



74.9653, 91.3533, 30.8226



87.5386, 96.8078, 77.8243



52.7214, 38.9903, 21.8879



18.5513, 20.6415, 15.9109



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.



74.9653, 91.3533, 30.8226



72.6516, 90.3162, 23.6831



56.2201, 81.6898, 29.9454



19.3538, 20.9838, 19.1746



35.3298, 45.9513, 7.0074



3.4936, 4.5018, 0.6848

Inverse Universe

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



34.2024, 25.1647, 97.6623



28.2492, 18.1335, 96.6190



48.4022, 32.4849, 98.3269



17.1876, 17.4729, 22.7167



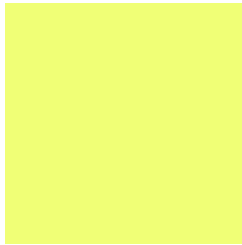
9.7395, 3.9314, 49.6801



1.0057, 0.4124, 4.8399

Previews

White Background



This preview shows how the XYZ color 74.9652, 91.3533, 30.8214 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 74.9652, 91.3533, 30.8214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

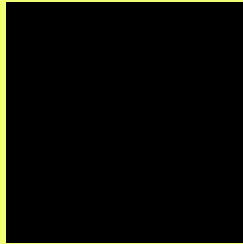
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.9652, 91.3533, 30.8214

Background



This preview shows how black text looks on a background with the XYZ color 74.9652, 91.3533, 30.8214.

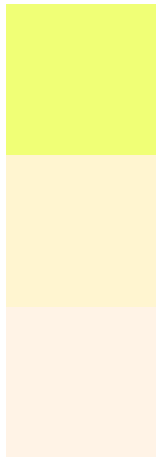


This preview shows how white text looks on a background with the XYZ color 74.9652, 91.3533,

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

74.9652, 91.3533, 30.8214

Protanopia

85.2776, 91.1189, 72.7676

Deuteranopia

87.5735, 91.0744, 87.8264



Tritanopia

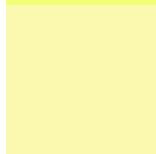
89.6502, 90.8260, 107.4138

Trichromacy



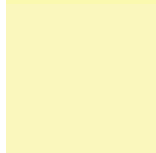
Original Color

74.9652, 91.3533, 30.8214



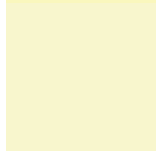
Protanomaly

81.0379, 91.1705, 53.8840



Deuteranomaly

81.8704, 90.5196, 61.3011



Tritanomaly

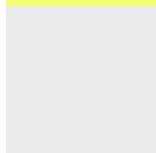
82.6866, 90.2758, 70.8245

Monochromacy



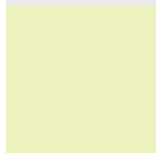
Original Color

74.9652, 91.3533, 30.8214



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.1916, 85.3146, 62.3208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9652, 91.3533, 30.8214 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(240, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 118)  
}
```

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(240, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 118) }
```

Border

The CSS property to change the border of an element to XYZ 74.9652, 91.3533, 30.8214 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(240, 255, 118) }
```


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

```
.border{ border-color:rgb(240, 255, 118) }
```

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

Here you see how a box with a 4 pixel rgb(240, 255, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9652, 91.3533, 30.8214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 118) }
```

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

```
.background{ background-color: rgb(240,  
255, 118) }
```

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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