

Converting Colors

XYZ(84.7085, 91.3255, 30.5821)

Have a look what the booklet for
XYZ(84.7085, 91.3255, 30.5821)
contains.

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Color

**XYZ(76.9205, 87.2933,
30.2479)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF477
RGB	255, 244, 119
RGB Percent	100%, 96%, 47%
CMY	0.0000, 0.0431, 0.5333
CMYK	0.00, 0.04, 0.53, 0.00
HSL	55°, 100%, 73%
HSV	55°, 53%, 100%
XYZ	76.9205, 87.2933, 30.2479
YIQ	233.0390, 46.6810, -36.5430

Conversions

Conversions Part 2

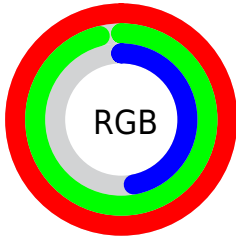
Format	Color
R_{YB}	131, 255, 119
Decimal	16774263
CIE _{Lab}	94.86, -11.91, 60.64
CIE _{LCh}	95, 61.801, 101.109
Yxy	87.2933, 0.3956, 0.4489
Android (android.graphics.Color)	4294964343 (0xFFFFFFFF477)
YUV	233.0390, -56.2212, 19.2598
Hunter-Lab	93.4309, -16.5472, 46.2067

Details

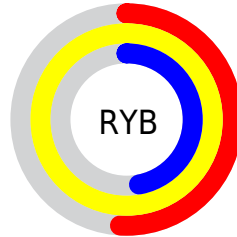
The XYZ color **76.9205, 87.2933, 30.2479** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **33.6403, 27.1065, 98.0665**, and the grayscale version is **77.8689, 81.9241, 89.2154**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **41.7023, 48.0839, 12.0842** is the 20% darker color. If you saturate the color by 10%, you get **74.9740, 85.5310, 23.0308**, and if you desaturate by 10%, it is **79.2889, 89.2419, 39.6342**.

Distribution



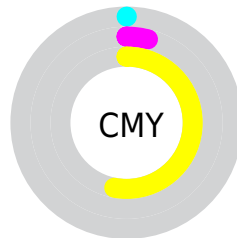
- Red (100%)
- Green (96%)
- Blue (47%)



- Red (51%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (4%)
- Yellow (53%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9205, 87.2933, 30.2479 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 76.9205, 87.2933, 30.2479 by changing the saturation by 10% instead.

 76.9205, 87.2933,
30.2479


 76.9205, 87.2933,
30.2479


473.3890,
519.1862, 317.3015


 57.4873, 65.7380,
19.7732


 128.0007,
143.5729, 61.1196

 41.6383, 48.0597,
12.0478


 160.3784,
179.0659, 82.3537

 29.0080, 33.8742,
6.6533


 197.8017,
219.9736, 108.0113

 19.2312, 22.7970,
3.1711

240.6359,
266.6804, 138.5111

 11.9425, 14.4437,
1.1827

289.2464,
319.5706, 174.2714

 6.7764, 8.4299,
0.0000

343.9985,

 3.3678, 4.3712,

379.0288, 215.7109

0.0000

405.2576,
445.4391, 263.2480

■ 1.3511, 1.8833,
0.0000

■ 0.2210, 0.5383,
0.0000

■ 76.9205, 87.2933,
30.2479

■ 76.9205, 87.2933,
30.2479

■ 74.9740, 85.5310,
23.0308

■ 79.2889, 89.2419,
39.6342

■ 73.4094, 83.9294,
17.8003

■ 82.1030, 91.3766,
51.3421

■ 72.1899, 82.4768,
14.3528

■ 85.3921, 93.7125,
65.5164

■ 71.2680, 81.1543,
12.4386

■ 89.1810, 96.2596,
82.2886

■ 70.7731, 80.3264,
11.7744

■ 93.4930, 99.0271,
101.7809

95.0499, 99.9999,
108.9000

Harmonies

Analogous

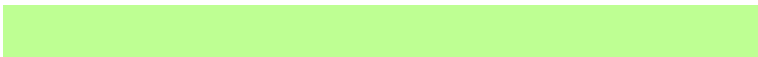
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8348, 87.2933, 31.7827



76.9205, 87.2933, 30.2479



63.5529, 87.2933, 41.1315

Triad

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



76.9205, 87.2933, 30.2479



61.0015, 87.2933, 169.4633



117.3059, 87.2933, 128.1309

Complementary

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



76.9205, 87.2933, 30.2479



33.6403, 27.1065, 98.0665

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.



105.9860, 87.2933, 182.8084



76.9205, 87.2933, 30.2479



72.9774, 87.2933, 211.6798

Square

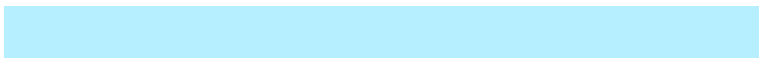
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9205, 87.2933, 30.2479



55.2207, 87.2933, 113.9404



89.3279, 87.2933, 217.2509



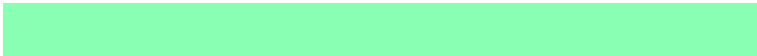
118.7361, 87.2933, 78.3679

Rectangle

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



76.9205, 87.2933, 30.2479



57.8559, 87.2933, 57.1004



89.3279, 87.2933, 217.2509



114.4664, 87.2933, 146.9111

Sweetspot

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



76.9226, 87.2974, 30.2497



88.1201, 95.5591, 77.5526



51.8890, 36.0752, 25.4661



18.6915, 20.3401, 15.8453



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.



76.9226, 87.2974, 30.2497



74.8581, 85.4193, 22.6216



62.4669, 84.9031, 30.5495



19.4282, 20.8246, 19.1399



37.0331, 42.0775, 6.1699



3.6415, 4.1683, 0.6126

Inverse Universe

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



33.6403, 27.1065, 98.0665



27.4944, 19.5865, 96.9392



42.4768, 29.6060, 98.0832



17.1210, 17.6136, 22.7473



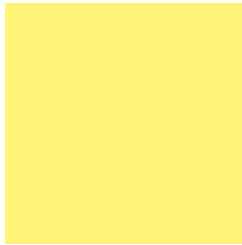
9.6089, 4.1274, 49.7248



0.9742, 0.4792, 4.8544

Previews

White Background



This preview shows how the XYZ color 76.9205, 87.2933, 30.2479 looks on a white background.

Color Contrast Check

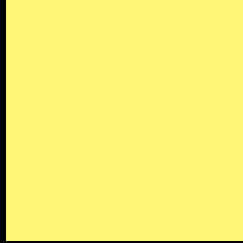
Large Text (above 18pt) WCAG AA × Fail

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 76.9205, 87.2933, 30.2479 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 76.9205, 87.2933, 30.2479

Background



This preview shows how black text looks on a background with the XYZ color 76.9205, 87.2933, 30.2479.



This preview shows how white text looks on a background with the XYZ color 76.9205, 87.2933,

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

76.9205, 87.2933, 30.2479

Protanopia

80.9473, 86.9991, 57.3259

Deuteranopia

84.1791, 86.8903, 78.6645



Tritanopia

87.2775, 87.2083, 97.8208

Trichromacy



Original Color

76.9205, 87.2933, 30.2479



Protanomaly

79.0405, 86.7087, 45.8283



Deuteranomaly

80.8436, 86.9576, 56.7795



Tritanomaly

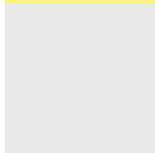
82.1233, 86.5326, 66.4069

Monochromacy



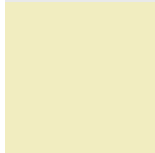
Original Color

76.9205, 87.2933, 30.2479



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

76.0742, 83.0749, 61.8947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9205, 87.2933, 30.2479 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(255, 244, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 119)  
}
```

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(255, 244, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 119) }
```

Border

The CSS property to change the border of an element to XYZ 76.9205, 87.2933, 30.2479 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(255, 244, 119) }
```


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

```
.border{ border-color:rgb(255, 244, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9205, 87.2933, 30.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 119) }
```

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

```
.background{ background-color: rgb(255,  
244, 119) }
```

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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