

Converting Colors

XYZ(88.7913, 91.9818, 33.0725)

Have a look what the booklet for
XYZ(88.7913, 91.9818, 33.0725)
contains.

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Color

**XYZ(76.5261, 85.7029,
32.5876)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF17F
RGB	255, 241, 127
RGB Percent	100%, 95%, 50%
CMY	0.0000, 0.0549, 0.5019
CMYK	0.00, 0.05, 0.50, 0.00
HSL	53°, 100%, 75%
HSV	53°, 50%, 100%
XYZ	76.5261, 85.7029, 32.5876
YIQ	232.1900, 44.9380, -32.4860

Conversions

Conversions Part 2

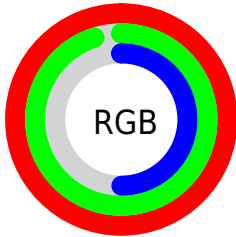
Format	Color
R_{YB}	143, 255, 127
Decimal	16773503
CIE Lab	94.19, -9.79, 56.19
CIE LCh	94, 57.039, 99.878
Yxy	85.7029, 0.3928, 0.4399
Android (android.graphics.Color)	4294963583 (0xFFFFF17F)
YUV	232.1900, -51.8587, 20.0044
Hunter-Lab	92.5759, -14.4541, 43.9324

Details

The XYZ color **76.5261, 85.7029, 32.5876** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.3272, 30.7809, 98.6342**, and the grayscale version is **77.1987, 81.2191, 88.4476**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **41.3499, 46.9281, 13.3572** is the 20% darker color. If you saturate the color by 10%, you get **74.2519, 83.4860, 24.6425**, and if you desaturate by 10%, it is **79.2376, 88.1212, 42.7551**.

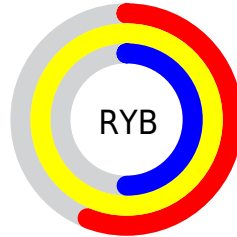
Distribution



Red (100%)

Green (95%)

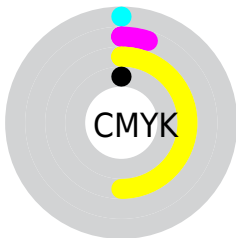
Blue (50%)



Red (56%)

Yellow (100%)

Blue (50%)

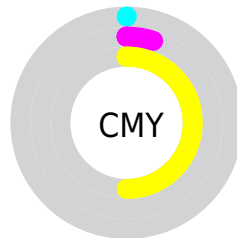


Cyan (0%)

Magenta (5%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5261, 85.7029, 32.5876 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 76.5261, 85.7029, 32.5876 by changing the saturation by 10% instead.

76.5261, 85.7029,
32.5876

76.5261, 85.7029,
32.5876

472.0635,
513.9511, 328.3622

57.1626, 64.4223,
21.5422

127.4467,
141.3548, 64.8397

41.3764, 46.9928,
13.3258

159.7345,
176.4950, 86.8835

28.8023, 33.0300,
7.5199

197.0611,
217.0237, 113.4304

19.0748, 22.1494,
3.7060

239.7918,
263.3255, 144.8991

11.8287, 13.9667,
1.4655

288.2921,
315.7848, 181.7081

6.6985, 8.0975,
0.1920

342.9272,

3.3189, 4.1574,

374.7859, 224.2759

0.0000

404.0626,
440.7131, 273.0211

■ 1.3246, 1.7620,
0.0000

■ 0.2015, 0.4633,
0.0000

■ 76.5261, 85.7029,
32.5876

■ 76.5261, 85.7029,
32.5876

■ 74.2519, 83.4860,
24.6425

■ 79.2376, 88.1212,
42.7551

■ 72.3765, 81.4456,
18.7440

■ 82.4092, 90.7407,
55.2924

■ 70.8646, 79.5707,
14.6986

■ 86.0696, 93.5761,
70.3404

■ 69.6721, 77.8434,
12.2731

■ 90.2432, 96.6372,
88.0275

■ 68.7424, 76.2650,
11.0975

94.9526, 99.9332,
108.4733

95.0499, 100.0000,
108.9000

Harmonies

Analogous

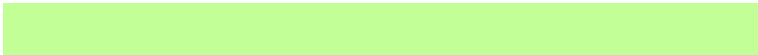
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9775, 85.7029, 34.5520



76.5261, 85.7029, 32.5876



64.0525, 85.7029, 42.5335

Triad

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



76.5261, 85.7029, 32.5876



60.9474, 85.7029, 158.2475



112.2401, 85.7029, 125.3211

Complementary

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



76.5261, 85.7029, 32.5876



36.3272, 30.7809, 98.6342

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.



101.7615, 85.7029, 173.8230



76.5261, 85.7029, 32.5876



71.7729, 85.7029, 196.5798

Square

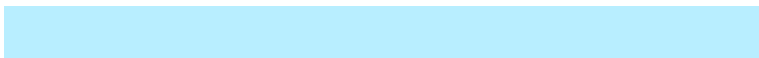
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5261, 85.7029, 32.5876



55.8303, 85.7029, 108.4911



86.5974, 85.7029, 203.0321



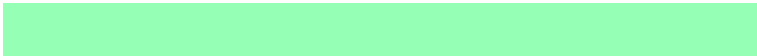
113.9279, 85.7029, 79.6261

Rectangle

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



76.5261, 85.7029, 32.5876



58.6181, 85.7029, 57.1711



86.5974, 85.7029, 203.0321



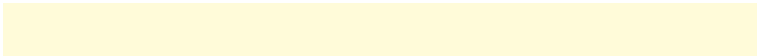
109.5722, 85.7029, 142.1721

Sweetspot

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



76.5282, 85.7069, 32.5894



88.1723, 95.1377, 79.1915



53.7074, 38.3906, 30.1455



18.6863, 20.2262, 16.1628



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

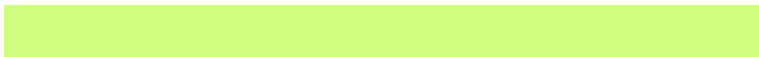
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5282, 85.7069, 32.5894



74.2925, 83.5277, 24.7772



65.0263, 86.1647, 33.2839



19.3816, 20.7314, 19.1244



35.9877, 39.9866, 5.8214



3.5504, 3.9862, 0.5823

Inverse Universe

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



36.3272, 30.7809, 98.6342



30.0938, 23.1734, 97.4945



43.5597, 31.6376, 98.4184



17.1628, 17.6973, 22.7613



9.6980, 4.3056, 49.7545



0.9940, 0.5186, 4.8610

Previews

White Background



This preview shows how the XYZ color 76.5261, 85.7029, 32.5876 looks on a white background.

Color Contrast Check

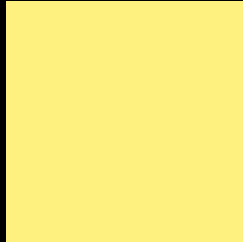
Large Text (above 18pt) WCAG AA × Fail

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 76.5261, 85.7029, 32.5876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

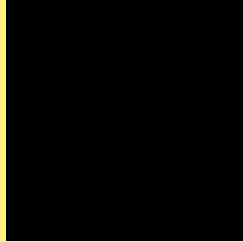
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.5261, 85.7029, 32.5876

Background



This preview shows how black text looks on a background with the XYZ color 76.5261, 85.7029, 32.5876.

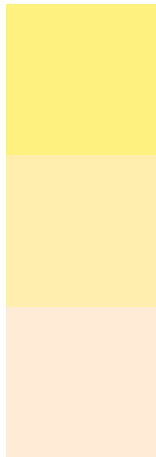


This preview shows how white text looks on a background with the XYZ color 76.5261, 85.7029,

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

76.5261, 85.7029, 32.5876

Protanopia

79.3574, 85.4262, 51.8415

Deuteranopia

83.0859, 85.5317, 75.7485



Tritanopia

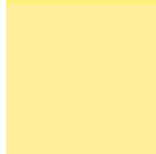
86.1236, 85.3840, 95.9460

Trichromacy



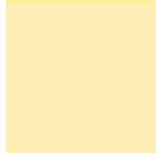
Original Color

76.5261, 85.7029, 32.5876



Protanomaly

78.1073, 85.3933, 43.8184



Deuteranomaly

79.9677, 85.2058, 56.4876



Tritanomaly

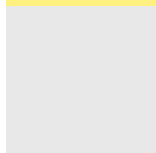
81.3737, 84.8468, 66.7318

Monochromacy



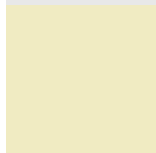
Original Color

76.5261, 85.7029, 32.5876



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

75.3811, 81.8370, 62.8620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5261, 85.7029, 32.5876 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, 241, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 127)  
}
```

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, 241, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 127) }
```

Border

The CSS property to change the border of an element to XYZ 76.5261, 85.7029, 32.5876 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, 241, 127) }
```


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

```
.border{ border-color:rgb(255, 241, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5261, 85.7029, 32.5876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 127) }
```

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

```
.background{ background-color: rgb(255,  
241, 127) }
```

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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