

Converting Colors

XYZ(80.1303, 87.4065, 30.3282)

Have a look what the booklet for
XYZ(80.1303, 87.4065, 30.3282)
contains.

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Color

**XYZ(76.0855, 85.5267,
30.2675)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF178
RGB	255, 241, 120
RGB Percent	100%, 95%, 47%
CMY	0.0000, 0.0549, 0.5294
CMYK	0.00, 0.05, 0.53, 0.00
HSL	54°, 100%, 74%
HSV	54°, 53%, 100%
XYZ	76.0855, 85.5267, 30.2675
YIQ	231.3920, 47.1850, -34.6630

Conversions

Conversions Part 2

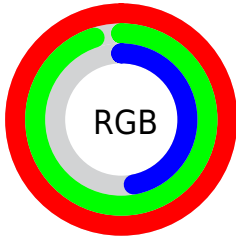
Format	Color
R_{YB}	136, 255, 120
Decimal	16773496
CIE _{Lab}	94.11, -10.35, 59.32
CIE _{LCh}	94, 60.214, 99.902
Yxy	85.5267, 0.3965, 0.4457
Android (android.graphics.Color)	4294963576 (0xFFFFF178)
YUV	231.3920, -54.9163, 20.7042
Hunter-Lab	92.4806, -14.9860, 45.3317

Details

The XYZ color **76.0855, 85.5267, 30.2675** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.3207, 28.2625, 98.2537**, and the grayscale version is **76.6217, 80.6120, 87.7865**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **41.0973, 46.8270, 12.0267** is the 20% darker color. If you saturate the color by 10%, you get **73.9634, 83.4382, 22.9154**, and if you desaturate by 10%, it is **78.6351, 87.8107, 39.7967**.

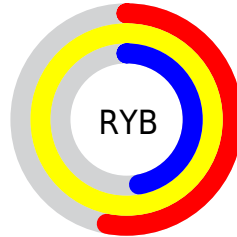
Distribution



Red (100%)

Green (95%)

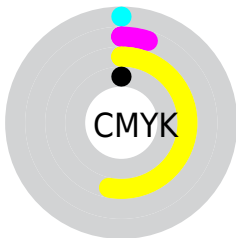
Blue (47%)



Red (53%)

Yellow (100%)

Blue (47%)

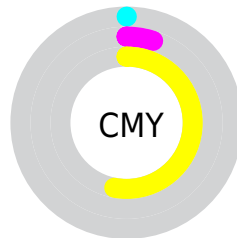


Cyan (0%)

Magenta (5%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0855, 85.5267, 30.2675 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 76.0855, 85.5267, 30.2675 by changing the saturation by 10% instead.

76.0855, 85.5267,
30.2675

76.0855, 85.5267,
30.2675

470.5802,
513.3693, 317.3954

56.7999, 64.2767,
19.7879

126.8275,
141.1088, 61.1510

41.0841, 46.8748,
12.0584

159.0146,
176.2097, 82.3919

28.5728, 32.9367,
6.6605

196.2329,
216.6963, 108.0571

18.9005, 22.0779,
3.1755

238.8478,
262.9531, 138.5651

11.7020, 13.9142,
1.1849

287.2246,
315.3643, 174.3344

6.6119, 8.0610,
0.0000

341.7287,

3.2647, 4.1340,

374.3145, 215.7835

0.0000

402.7255,
440.1881, 263.3310

■ 1.2953, 1.7488,
0.0000

■ 0.1797, 0.4550,
0.0000

■ 76.0855, 85.5267,
30.2675

■ 76.0855, 85.5267,
30.2675

■ 73.9634, 83.4382,
22.9154

■ 78.6351, 87.8107,
39.7967

■ 72.2292, 81.5197,
17.5588


■ 81.6359, 90.2903,
51.6549


■ 70.8460, 79.7597,
13.9954

■ 85.1171, 92.9804,
65.9863

■ 69.7668, 78.1392,
11.9777

■ 89.1036, 95.8910,
82.9222

 69.1398, 77.0598,
11.2300

 93.6187, 99.0314,
102.5842

95.0499, 99.9999,
108.9000

Harmonies

Analogous

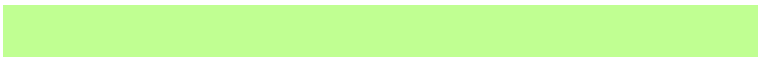
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3928, 85.5267, 32.2356



76.0855, 85.5267, 30.2675



63.0150, 85.5267, 40.3460

Triad

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



76.0855, 85.5267, 30.2675



59.7903, 85.5267, 162.3132



113.9456, 85.5267, 127.0125

Complementary

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



76.0855, 85.5267, 30.2675



34.3207, 28.2625, 98.2537

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.



102.7966, 85.5267, 178.9820



76.0855, 85.5267, 30.2675



71.1154, 85.5267, 203.5842

Square

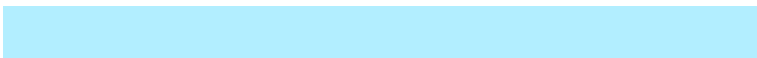
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0855, 85.5267, 30.2675



54.4621, 85.5267, 109.2071



86.7278, 85.5267, 210.5276



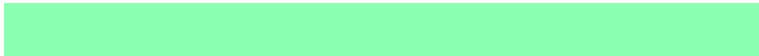
115.7375, 85.5267, 78.7030

Rectangle

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



76.0855, 85.5267, 30.2675



57.3531, 85.5267, 55.3808



86.7278, 85.5267, 210.5276



111.1043, 85.5267, 145.0033

Sweetspot

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



76.0875, 85.5307, 30.2693



87.8288, 94.9766, 77.4556



52.3832, 36.4643, 27.4781



18.6213, 20.1998, 15.8219



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

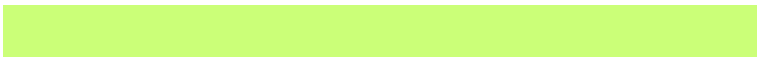
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0875, 85.5307, 30.2693



73.7620, 83.2270, 22.2562



63.8473, 85.6077, 30.9293



19.3909, 20.7500, 19.1275



36.1923, 40.3959, 5.8897



3.5683, 4.0219, 0.5882

Inverse Universe

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



34.3207, 28.2625, 98.2537



27.8821, 20.3619, 97.0684



41.7257, 29.3964, 98.0823



17.1545, 17.6806, 22.7585



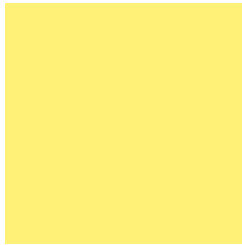
9.6786, 4.2667, 49.7480



0.9900, 0.5108, 4.8597

Previews

White Background



This preview shows how the XYZ color 76.0855, 85.5267, 30.2675 looks on a white background.

Color Contrast Check

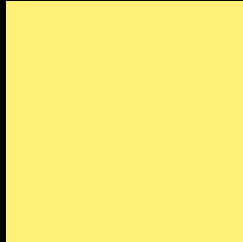
Large Text (above 18pt) WCAG AA × Fail

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 76.0855, 85.5267, 30.2675 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 76.0855, 85.5267, 30.2675

Background



This preview shows how black text looks on a background with the XYZ color 76.0855, 85.5267, 30.2675.

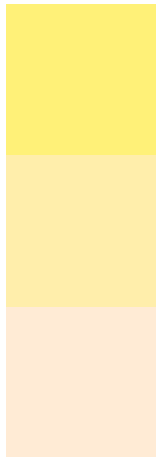


This preview shows how white text looks on a background with the XYZ color 76.0855, 85.5267,

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

76.0855, 85.5267, 30.2675

Protanopia

79.1652, 85.3493, 50.8297

Deuteranopia

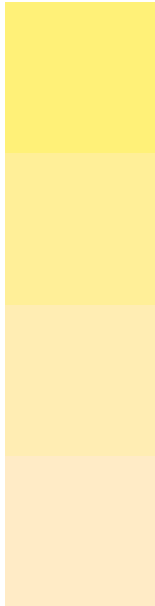
82.9586, 85.4808, 75.0778



Tritanopia

86.1236, 85.3840, 95.9460

Trichromacy



Original Color

76.0855, 85.5267, 30.2675

Protanomaly

77.7740, 85.2600, 42.0635

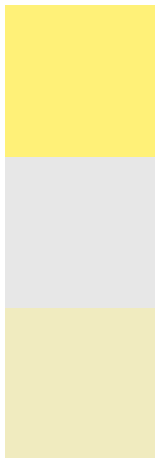
Deuteranomaly

79.6609, 85.0830, 54.8719

Tritanomaly

81.1414, 84.7539, 65.5086

Monochromacy



Original Color

76.0855, 85.5267, 30.2675

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.0475, 81.7035, 61.1051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0855, 85.5267, 30.2675 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 120) }
```

Border

The CSS property to change the border of an element to XYZ 76.0855, 85.5267, 30.2675 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, 120) }
```


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

```
.border{ border-color:rgb(255, 241, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0855, 85.5267, 30.2675 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, 120) }
```

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

```
.background{ background-color: rgb(255,  
241, 120) }
```

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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