

Converting Colors

XYZ(76.7128, 86.7959, 30.4317)

Have a look what the booklet for
XYZ(76.7128, 86.7959, 30.4317)
contains.

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Color

**XYZ(76.6808, 86.7173,
30.4659)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF378
RGB	255, 243, 120
RGB Percent	100%, 95%, 47%
CMY	0.0000, 0.0470, 0.5294
CMYK	0.00, 0.05, 0.53, 0.00
HSL	55°, 100%, 74%
HSV	55°, 53%, 100%
XYZ	76.6808, 86.7173, 30.4659
YIQ	232.5660, 46.6350, -35.7090

Conversions

Conversions Part 2

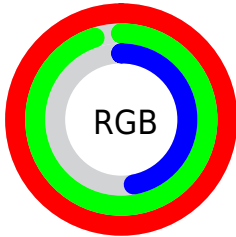
Format	Color
R_{YB}	133, 255, 120
Decimal	16774008
CIE _{Lab}	94.62, -11.34, 59.91
CIE _{LCh}	95, 60.972, 100.717
Yxy	86.7173, 0.3955, 0.4473
Android (android.graphics.Color)	4294964088 (0xFFFFF378)
YUV	232.5660, -55.4950, 19.6746
Hunter-Lab	93.1221, -15.9791, 45.7881

Details

The XYZ color **76.6808, 86.7173, 30.4659** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.0469, 27.7148, 98.1625**, and the grayscale version is **77.5071, 81.5435, 88.8008**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **41.5186, 47.6698, 12.1672** is the 20% darker color. If you saturate the color by 10%, you get **74.6617, 84.8348, 23.1482**, and if you desaturate by 10%, it is **79.1244, 88.7895, 39.9598**.

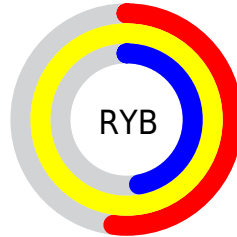
Distribution



Red (100%)

Green (95%)

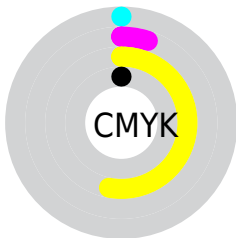
Blue (47%)



Red (52%)

Yellow (100%)

Blue (47%)

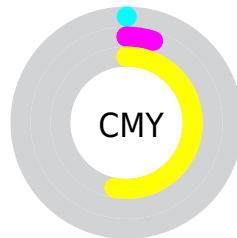


Cyan (0%)

Magenta (5%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.6808, 86.7173, 30.4659 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 76.6808, 86.7173, 30.4659 by changing the saturation by 10% instead.


 76.6808, 86.7173,
30.4659


 76.6808, 86.7173,
30.4659


472.5837,
517.2935, 318.3448


 57.2899, 65.2613,
19.9374


 127.6640,
142.7700, 61.4679

 41.4791, 47.6730,
12.1660


 159.9871,
178.1355, 82.7785

 28.8830, 33.5680,
6.7329


 197.3517,
218.9063, 108.5202

 19.1361, 22.5619,
3.2197


240.1230,
265.4668, 139.1116

 11.8733, 14.2704,
1.2079

288.6665,
318.2014, 174.9712

 6.7290, 8.3089,
0.0000

343.3476,

 3.3380, 4.2933,

377.4944, 216.5176

0.0000

404.5315,
443.7303, 264.1693

■ 1.3349, 1.8389,
0.0000

■ 0.2091, 0.5113,
0.0000

■ 76.6808, 86.7173,
30.4659

■ 76.6808, 86.7173,
30.4659

■ 74.6617, 84.8348,
23.1482

■ 79.1244, 88.7895,
39.9598

■ 73.0275, 83.1163,
17.8249


■ 82.0163, 91.0511,
51.7817


■ 71.7414, 81.5504,
14.2939

■ 85.3855, 93.5172,
66.0758

■ 70.7563, 80.1181,
12.3075

■ 89.2570, 96.1977,
82.9733

 70.1939, 79.1681,
11.5814

 93.6540, 99.1020,
102.5960

95.0499, 99.9999,
108.9000

Harmonies

Analogous

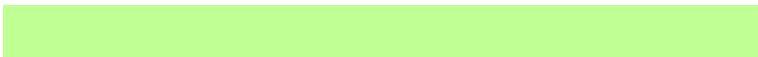
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3112, 86.7173, 32.1426



76.6808, 86.7173, 30.4659



63.4685, 86.7173, 41.0717

Triad

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



76.6808, 86.7173, 30.4659



60.7041, 86.7173, 166.6689



116.0157, 86.7173, 127.5933

Complementary

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



76.6808, 86.7173, 30.4659



34.0469, 27.7148, 98.1625

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.



104.8172, 86.7173, 181.0316



76.6808, 86.7173, 30.4659



72.4151, 86.7173, 208.2852

Square

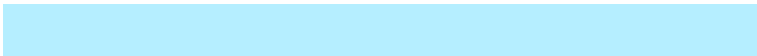
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6808, 86.7173, 30.4659



55.0940, 86.7173, 112.2816



88.4432, 86.7173, 214.2737



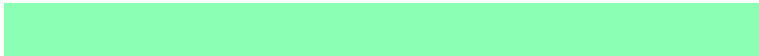
117.5577, 86.7173, 78.5615

Rectangle

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



76.6808, 86.7173, 30.4659



57.8045, 86.7173, 56.6922



88.4432, 86.7173, 214.2737



113.1921, 86.7173, 146.0007

Sweetspot

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



76.6829, 86.7213, 30.4677



88.0177, 95.3544, 77.5185



52.2252, 36.4011, 26.6465



18.6668, 20.2908, 15.8371



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

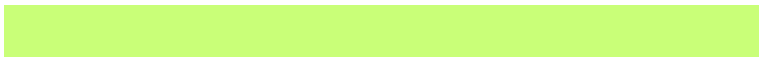
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6829, 86.7213, 30.4677



74.4710, 84.6451, 22.4925



63.2380, 85.2936, 30.9007



19.4151, 20.7984, 19.1355



36.7351, 41.4813, 6.0706



3.6156, 4.1165, 0.6040

Inverse Universe

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



34.0469, 27.7148, 98.1625



27.6285, 19.8547, 96.9839



42.2228, 29.6526, 98.1056



17.1327, 17.6370, 22.7512



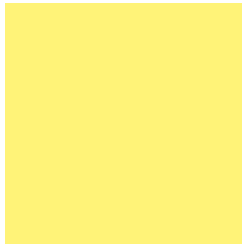
9.6318, 4.1732, 49.7324



0.9798, 0.4903, 4.8563

Previews

White Background



This preview shows how the XYZ color 76.6808, 86.7173, 30.4659 looks on a white background.

Color Contrast Check

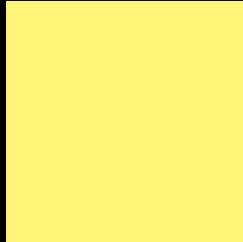
Large Text (above 18pt) WCAG AA × Fail

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 76.6808, 86.7173, 30.4659 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 76.6808, 86.7173, 30.4659

Background



This preview shows how black text looks on a background with the XYZ color 76.6808, 86.7173, 30.4659.

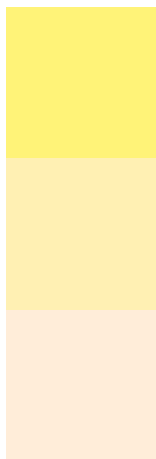


This preview shows how white text looks on a background with the XYZ color 76.6808, 86.7173,

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

76.6808, 86.7173, 30.4659

Protanopia

80.5368, 86.8348, 55.1639

Deuteranopia

84.0486, 86.8381, 77.9772



Tritanopia

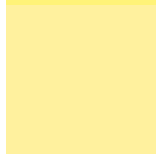
86.9920, 86.6373, 97.7257

Trichromacy



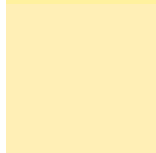
Original Color

76.6808, 86.7173, 30.4659



Protanomaly

78.8669, 86.6392, 44.9141



Deuteranomaly

80.5500, 86.3704, 56.6817



Tritanomaly

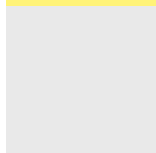
81.8330, 85.9519, 66.3101

Monochromacy



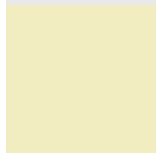
Original Color

76.6808, 86.7173, 30.4659



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 76.6808, 86.7173, 30.4659 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, 243, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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, 243, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 120) }
```

Border

The CSS property to change the border of an element to XYZ 76.6808, 86.7173, 30.4659 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, 243, 120) }
```


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

```
.border{ border-color:rgb(255, 243, 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, 243, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6808, 86.7173, 30.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 120) }
```

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

```
.background{ background-color: rgb(255,  
243, 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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