

Converting Colors

XYZ(76.8496, 88.2331, 26.8902)

Have a look what the booklet for
XYZ(76.8496, 88.2331, 26.8902)
contains.

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Color

**XYZ(76.8496, 88.2331,
26.8902)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF66B
RGB	255, 246, 107
RGB Percent	100%, 96%, 42%
CMY	0.0000, 0.0353, 0.5804
CMYK	0.00, 0.04, 0.58, 0.00
HSL	56°, 100%, 71%
HSV	56°, 58%, 100%
XYZ	76.8496, 88.2331, 26.8902
YIQ	232.8450, 49.9830, -41.3210

Conversions

Conversions Part 2

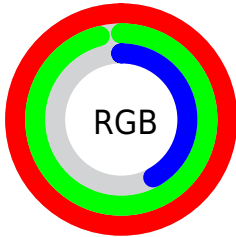
Format	Color
R_{YB}	117, 255, 107
Decimal	16774763
CIE _{Lab}	95.26, -13.76, 66.35
CIE _{LCh}	95, 67.758, 101.716
Yxy	88.2331, 0.4003, 0.4596
Android (android.graphics.Color)	4294964843 (0xFFFFF66B)
YUV	232.8450, -62.0416, 19.4299
Hunter-Lab	93.9325, -18.3444, 48.7797

Details

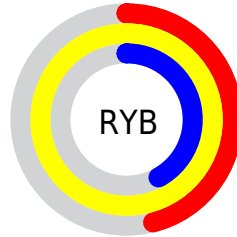
The XYZ color **76.8496, 88.2331, 26.8902** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.3588, 22.8360, 97.4149**, and the grayscale version is **77.7633, 81.8130, 89.0944**.

A 20% lighter version of the original color is **83.6109, 95.4243, 48.6623**, and **41.4949, 48.6593, 10.2228** is the 20% darker color. If you saturate the color by 10%, you get **75.2324, 86.8385, 20.6804**, and if you desaturate by 10%, it is **78.8703, 89.8019, 35.1877**.

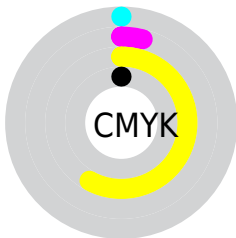
Distribution



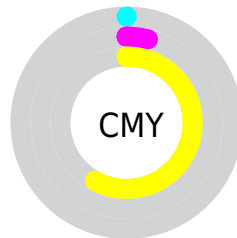
- Red (100%)
- Green (96%)
- Blue (42%)



- Red (46%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (4%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8496, 88.2331, 26.8902 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 76.8496, 88.2331, 26.8902 by changing the saturation by 10% instead.


 76.8496, 88.2331,
26.8902


 76.8496, 88.2331,
26.8902


473.1509,
522.2663, 300.8684


 57.4289, 66.5161,
17.2591


 127.9011,
144.8816, 55.7092


 41.5912, 48.6915,
10.2555


 160.2627,
180.5820, 75.7342

 28.9710, 34.3748,
5.4609


 197.6686,
221.7123, 100.0608

 19.2031, 23.1817,
2.4567

 240.4842,
268.6569, 129.1077

 11.9220, 14.7277,
0.8171

289.0749,
321.8002, 163.2934

 6.7624, 8.6285,
0.0000

343.8060,

 3.3590, 4.4997,

381.5266, 203.0364

0.0000

405.0429,
448.2205, 248.7552

■ 1.3463, 1.9568,
0.0000

■ 0.2175, 0.5822,
0.0000

■ 76.8496, 88.2331,
26.8902

■ 76.8496, 88.2331,
26.8902

■ 75.2324, 86.8385,
20.6804

■ 78.8703, 89.8019,
35.1877

■ 73.9767, 85.5916,
16.3638


■ 81.3200, 91.5454,
45.7335


■ 73.0421, 84.4793,
13.7187

■ 84.2291, 93.4789,
58.6791

■ 72.3711, 83.4787,
12.4423

■ 87.6236, 95.6129,
74.1610

 72.2543, 83.2890,
12.2682

 91.5273, 97.9570,
92.3055

95.0498, 99.9999,
108.9000

Harmonies

Analogous

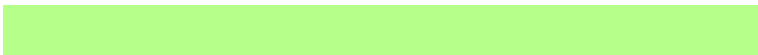
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.5163, 88.2331, 28.2025



76.8496, 88.2331, 26.8902



62.3627, 88.2331, 38.3549

Triad

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



76.8496, 88.2331, 26.8902



60.0290, 88.2331, 180.9866



122.3459, 88.2331, 131.6786

Complementary

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



76.8496, 88.2331, 26.8902



30.3588, 22.8360, 97.4149

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.



109.8111, 88.2331, 193.8590



76.8496, 88.2331, 26.8902



73.1981, 88.2331, 228.7800

Square

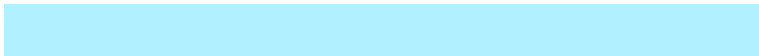
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8496, 88.2331, 26.8902



53.6499, 88.2331, 118.2622



91.2904, 88.2331, 234.2049



123.7066, 88.2331, 76.8452

Rectangle

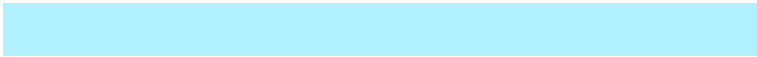
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8496, 88.2331, 26.8902



56.2931, 88.2331, 55.4558



91.2904, 88.2331, 234.2049



119.2223, 88.2331, 152.8332

Sweetspot

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



76.8517, 88.2372, 26.8920



88.0050, 95.8467, 75.9180



49.7012, 33.0574, 20.5509



18.6799, 20.4189, 15.5271



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.



76.8517, 88.2372, 26.8920



74.9590, 86.5828, 19.6904



59.8665, 83.6405, 26.9000



19.4611, 20.8904, 19.1509



37.7953, 43.6018, 6.4240



3.7075, 4.3004, 0.6347

Inverse Universe

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



30.3588, 22.8360, 97.4149



24.5067, 15.6496, 96.3368



40.1321, 26.4093, 97.5895



17.0916, 17.5548, 22.7375



9.5584, 4.0264, 49.7080



0.9604, 0.4514, 4.8498

Previews

White Background



This preview shows how the XYZ color 76.8496, 88.2331, 26.8902 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 76.8496, 88.2331, 26.8902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

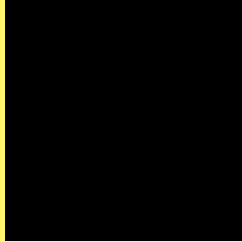
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.8496, 88.2331, 26.8902

Background



This preview shows how black text looks on a background with the XYZ color 76.8496, 88.2331, 26.8902.



This preview shows how white text looks on a background with the XYZ color 76.8496, 88.2331,

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

76.8496, 88.2331, 26.8902

Protanopia

81.8806, 87.8447, 60.7843

Deuteranopia

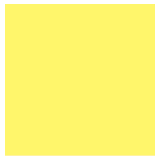
85.1576, 88.2135, 80.9452



Tritanopia

87.7169, 87.8435, 98.7185

Trichromacy



Original Color

76.8496, 88.2331, 26.8902



Protanomaly

79.5486, 87.8644, 45.5678



Deuteranomaly

81.2303, 88.0595, 55.8959



Tritanomaly

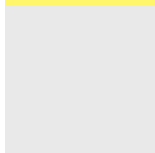
82.2504, 87.5203, 64.1878

Monochromacy



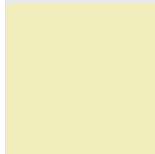
Original Color

76.8496, 88.2331, 26.8902



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.8198, 83.4377, 59.1227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8496, 88.2331, 26.8902 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, 246, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 107)  
}
```

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, 246, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 107) }
```

Border

The CSS property to change the border of an element to XYZ 76.8496, 88.2331, 26.8902 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, 246, 107) }
```


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

```
.border{ border-color:rgb(255, 246, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8496, 88.2331, 26.8902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 107) }
```

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

```
.background{ background-color: rgb(255,  
246, 107) }
```

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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