

Converting Colors

XYZ(76.6395, 89.3620, 22.0458)

Have a look what the booklet for
XYZ(76.6395, 89.3620, 22.0458)
contains.

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Color

**XYZ(76.4871, 89.0667,
21.9644)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF856
RGB	255, 248, 86
RGB Percent	100%, 97%, 34%
CMY	0.0000, 0.0274, 0.6627
CMYK	0.00, 0.03, 0.66, 0.00
HSL	58°, 100%, 67%
HSV	58°, 66%, 100%
XYZ	76.4871, 89.0667, 21.9644
YIQ	231.6250, 56.1740, -48.8980

Conversions

Conversions Part 2

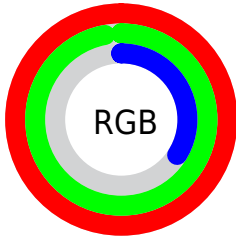
Format	Color
R_{YB}	93, 255, 86
Decimal	16775254
CIE _{Lab}	95.61, -16.00, 75.13
CIE _{LCh}	96, 76.817, 102.021
Yxy	89.0667, 0.4079, 0.4750
Android (android.graphics.Color)	4294965334 (0xFFFFF856)
YUV	231.6250, -71.7931, 20.4999
Hunter-Lab	94.3752, -20.4898, 52.2638

Details

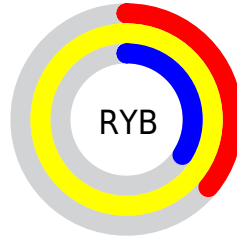
The XYZ color **76.4871, 89.0667, 21.9644** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.8023, 17.0269, 96.5337**, and the grayscale version is **76.9138, 80.9193, 88.1211**.

A 20% lighter version of the original color is **81.9579, 94.7632, 39.9581**, and **41.4346, 49.3331, 7.7539** is the 20% darker color. If you saturate the color by 10%, you get **75.3148, 88.0835, 17.3777**, and if you desaturate by 10%, it is **78.0317, 90.2084, 28.4845**.

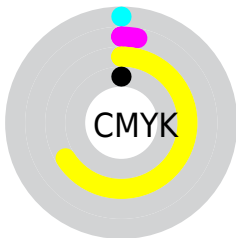
Distribution



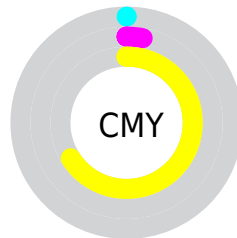
- Red (100%)
- Green (97%)
- Blue (34%)



- Red (36%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (3%)
- Yellow (66%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4871, 89.0667, 21.9644 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 76.4871, 89.0667, 21.9644 by changing the saturation by 10% instead.


 76.4871, 89.0667,
21.9644

 76.4871, 89.0667,
21.9644


471.9323,
524.9902, 275.3077

 57.1305, 67.2068,
13.6327


 127.3919,
146.0413, 47.5886


 41.3505, 49.2527,
7.7298


 159.6708,
181.9249, 65.7181

 28.7820, 34.8200,
3.8373


 196.9878,
223.2517, 87.9507

 19.0594, 23.5243,
1.5365

 239.7083,
270.4064, 114.7048

 11.8175, 14.9811,
0.2449

288.1977,
323.7731, 146.3990

 6.6908, 8.8061,
0.0000

342.8212,

 3.3141, 4.6149,

383.7364, 183.4519

0.0000

403.9443,
450.6806, 226.2820

■ 1.3220, 2.0232,
0.0000

■ 0.1996, 0.6209,
0.0000

■ 76.4871, 89.0667,
21.9644

■ 76.4871, 89.0667,
21.9644

■ 75.3148, 88.0835,
17.3777

■ 78.0317, 90.2084,
28.4845

■ 74.4675, 87.2299,
14.5027

■ 79.9774, 91.5101,
37.1168


■ 73.8963, 86.4897,
13.0724

■ 82.3573, 92.9885,
48.0262

■ 73.7255, 86.2313,
12.7586

■ 85.1992, 94.6545,
61.3595

 88.5287, 96.5186,
77.2514

 92.3694, 98.5901,
95.8266

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



97.7998, 89.0667, 23.1459



76.4871, 89.0667, 21.9644



60.3073, 89.0667, 33.7560

Triad

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



76.4871, 89.0667, 21.9644



57.9610, 89.0667, 197.3487



129.3829, 89.0667, 137.4263

Complementary

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



76.4871, 89.0667, 21.9644



25.8023, 17.0269, 96.5337

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.



114.8064, 89.0667, 211.3764



76.4871, 89.0667, 21.9644



72.7446, 89.0667, 254.7021

Square

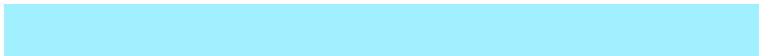
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4871, 89.0667, 21.9644



50.8637, 89.0667, 123.2336



93.3851, 89.0667, 260.6961



130.8359, 89.0667, 74.7454

Rectangle

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



76.4871, 89.0667, 21.9644



53.6550, 89.0667, 52.0588



93.3851, 89.0667, 260.6961



125.7558, 89.0667, 162.3072

Sweetspot

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



76.4892, 89.0709, 21.9662



87.2296, 95.8006, 71.0206



46.6088, 28.7326, 13.7865



18.4709, 20.3933, 14.2476



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.



76.4892, 89.0709, 21.9662



74.9637, 87.7513, 16.1186



56.0190, 81.7695, 21.6358



19.4930, 20.9542, 19.1615



38.5518, 45.1149, 6.6761



3.7729, 4.4311, 0.6564

Inverse Universe

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



25.8023, 17.0269, 96.5337



21.0020, 11.0972, 95.6428



36.2891, 21.5633, 96.8566



17.0633, 17.4982, 22.7281



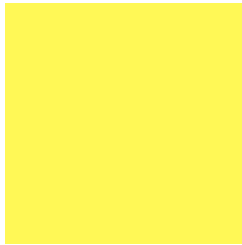
9.5174, 3.9444, 49.6943



0.9469, 0.4246, 4.8453

Previews

White Background



This preview shows how the XYZ color 76.4871, 89.0667, 21.9644 looks on a white background.

Color Contrast Check

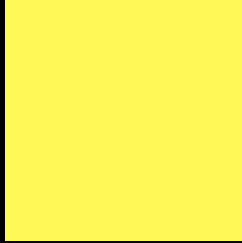
Large Text (above 18pt) WCAG AA × Fail

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 76.4871, 89.0667, 21.9644 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 76.4871, 89.0667, 21.9644

Background



This preview shows how black text looks on a background with the XYZ color 76.4871, 89.0667, 21.9644.



This preview shows how white text looks on a background with the XYZ color 76.4871, 89.0667,

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

76.4871, 89.0667, 21.9644

Protanopia

82.7297, 88.6593, 63.7916

Deuteranopia

85.7194, 88.9079, 82.4551



Tritanopia

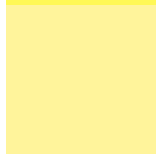
88.4491, 89.0629, 99.7179

Trichromacy



Original Color

76.4871, 89.0667, 21.9644



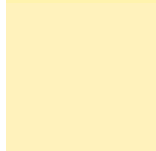
Protanomaly

79.5071, 88.3279, 43.8689



Deuteranomaly

80.8334, 88.3783, 52.3335



Tritanomaly

82.0692, 88.3951, 60.3134

Monochromacy



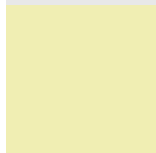
Original Color

76.4871, 89.0667, 21.9644



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.6464, 82.9290, 54.7204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4871, 89.0667, 21.9644 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, 248, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 86)  
}
```

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, 248, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 86) }
```

Border

The CSS property to change the border of an element to XYZ 76.4871, 89.0667, 21.9644 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, 248, 86) }
```


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

```
.border{ border-color:rgb(255, 248, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4871, 89.0667, 21.9644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 86) }
```

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

```
.background{ background-color: rgb(255,  
248, 86) }
```

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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