

Converting Colors

XYZ(76.0994, 88.2257, 22.0373)

Have a look what the booklet for
XYZ(76.0994, 88.2257, 22.0373)
contains.

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Color

**XYZ(76.2211, 88.4696,
22.0759)**

Conversions

Conversions Part 1	
Format	Color
Hex	FFF757
RGB	255, 247, 87
RGB Percent	100%, 97%, 34%
CMY	0.0000, 0.0313, 0.6588
CMYK	0.00, 0.03, 0.66, 0.00
HSL	57°, 100%, 67%
HSV	57°, 66%, 100%
XYZ	76.2211, 88.4696, 22.0759
YIQ	231.1520, 56.1280, -48.0640

Conversions

Conversions Part 2

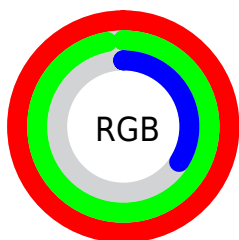
Format	Color
RYB	95, 255, 87
Decimal	16774999
CIELab	95.36, -15.46, 74.50
CIELCh	95, 76.090, 101.724
Yxy	88.4696, 0.4081, 0.4737
Android (android.graphics.Color)	4294965079 (0xFFFFF757)
YUV	231.1520, -71.0669, 20.9147
Hunter-Lab	94.0583, -19.9527, 51.9252

Details

The XYZ color **76.2211, 88.4696, 22.0759** 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 **26.0729, 17.4305, 96.5976**, and the grayscale version is **76.5545, 80.5413, 87.7095**.

A 20% lighter version of the original color is **82.0340, 94.7936, 40.3589**, and **41.2377, 48.9042, 7.7963** is the 20% darker color. If you saturate the color by 10%, you get **74.9888, 87.3883, 17.4019**, and if you desaturate by 10%, it is **77.8277, 89.7112, 28.6912**.

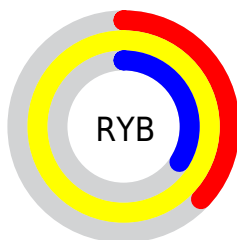
Distribution



Red (100%)

Green (97%)

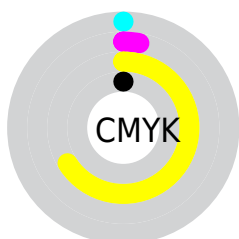
Blue (34%)



Red (37%)

Yellow (100%)

Blue (34%)

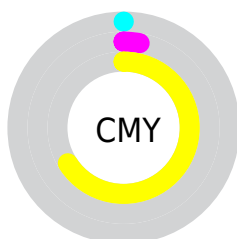


Cyan (0%)

Magenta (3%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.2211, 88.4696, 22.0759 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 76.2211, 88.4696, 22.0759 by changing the saturation by 10% instead.


 76.2211, 88.4696,
22.0759


 76.2211, 88.4696,
22.0759


471.0370,
523.0399, 275.9088

 56.9115, 66.7120,
13.7138


 127.0181,
145.2108, 47.7752


 41.1741, 48.8507,
7.7854


 159.2362,
180.9632, 65.9495

 28.6434, 34.5010,
3.8722


 196.4879,
222.1493, 88.2317

 18.9541, 23.2788,
1.5555

 239.1385,
269.1536, 115.0402

 11.7410, 14.7995,
0.2587

287.5533,
322.3604, 146.7936

 6.6385, 8.6788,
0.0000


342.0978,


 3.2814, 4.5323,


382.1541, 183.9105


0.0000


403.1372,
448.9191, 226.8094

 1.3042, 1.9755,
0.0000


 0.1864, 0.5932,
0.0000


 76.2211, 88.4696,
22.0759


 76.2211, 88.4696,
22.0759


 74.9888, 87.3883,
17.4019


 77.8277, 89.7112,
28.6912


 74.0839, 86.4384,
14.4491


 79.8374, 91.1145,
37.4257


 73.4579, 85.6040,
12.9534

 82.2829, 92.6960,
48.4435

 73.2507, 85.2816,
12.6003

 85.1920, 94.4669,
61.8909

 88.5903, 96.4374,
77.9021

 92.5014, 98.6168,
96.6016

95.0498, 99.9999,
108.9000

Harmonies

Analogous

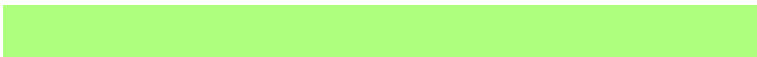
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.2623, 88.4696, 23.3692



76.2211, 88.4696, 22.0759



60.1822, 88.4696, 33.6402

Triad

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



76.2211, 88.4696, 22.0759



57.6329, 88.4696, 194.4226



128.0628, 88.4696, 136.8931

Complementary

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



76.2211, 88.4696, 22.0759



26.0729, 17.4305, 96.5976

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.



113.6090, 88.4696, 209.5846



76.2211, 88.4696, 22.0759



72.1600, 88.4696, 251.1367

Square

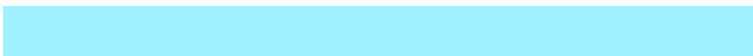
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2211, 88.4696, 22.0759



50.6953, 88.4696, 121.5234



92.4778, 88.4696, 257.6097



129.6352, 88.4696, 74.8811

Rectangle

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



76.2211, 88.4696, 22.0759



53.5577, 88.4696, 51.6221



92.4778, 88.4696, 257.6097



124.4510, 88.4696, 161.4063

Sweetspot

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



76.2232, 88.4737, 22.0777



87.1299, 95.6012, 70.9874



46.7325, 28.9108, 14.0405



18.4466, 20.3447, 14.2395



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.



76.2232, 88.4737, 22.0777



74.6736, 87.0786, 16.3070



56.1639, 81.8396, 21.8544



19.4828, 20.9338, 19.1581



38.3076, 44.6265, 6.5947



3.7518, 4.3890, 0.6494

Inverse Universe

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



26.0729, 17.4305, 96.5976



21.3323, 11.5618, 95.7151



36.4816, 21.7819, 96.8889



17.0723, 17.5163, 22.7311



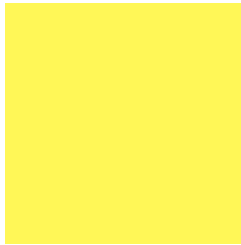
9.5303, 3.9701, 49.6986



0.9512, 0.4332, 4.8467

Previews

White Background



This preview shows how the XYZ color 76.2211, 88.4696, 22.0759 looks on a white background.

Color Contrast Check

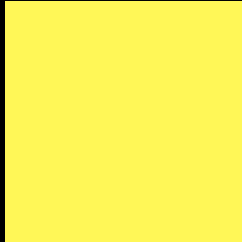
Large Text (above 18pt) WCAG AA × Fail

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 76.2211, 88.4696, 22.0759 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 76.2211, 88.4696, 22.0759

Background



This preview shows how black text looks on a background with the XYZ color 76.2211, 88.4696, 22.0759.



This preview shows how white text looks on a background with the XYZ color 76.2211, 88.4696,

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

76.2211, 88.4696, 22.0759

Protanopia

82.2864, 88.4820, 61.4570

Deuteranopia

85.1576, 88.2135, 80.9452



Tritanopia

88.0056, 88.4209, 98.8148

Trichromacy

	Original Color 76.2211, 88.4696, 22.0759
	Protanomaly 79.3405, 88.2613, 42.9914
	Deuteranomaly 80.4385, 87.7428, 51.7262
	Tritanomaly 81.7724, 87.8014, 60.2145

Monochromacy

	Original Color 76.2211, 88.4696, 22.0759
	Achromatopsia 75.9547, 79.9103, 87.0223
	Achromatomaly 74.3561, 82.3483, 54.6237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2211, 88.4696, 22.0759 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, 247, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 87)  
}
```

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, 247, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 87) }
```

Border

The CSS property to change the border of an element to XYZ 76.2211, 88.4696, 22.0759 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, 247, 87) }
```


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

```
.border{ border-color:rgb(255, 247, 87) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2211, 88.4696, 22.0759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 87) }
```

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

```
.background{ background-color: rgb(255,  
247, 87) }
```

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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