

# Converting Colors

XYZ(78.5859, 89.6796, 23.1250)

Have a look what the booklet for  
XYZ(78.5859, 89.6796, 23.1250)  
contains.

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# **Color**

**XYZ(76.3891, 88.5369,  
22.9607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF75B
RGB	255, 247, 91
RGB Percent	100%, 97%, 36%
CMY	0.0000, 0.0313, 0.6431
CMYK	0.00, 0.03, 0.64, 0.00
HSL	57°, 100%, 68%
HSV	57°, 64%, 100%
XYZ	76.3891, 88.5369, 22.9607
YIQ	231.6080, 54.8440, -46.8200

# Conversions

## Conversions Part 2

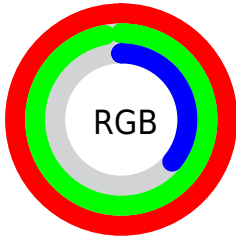
Format	Color
R <sub>Y</sub> B	99, 255, 91
Decimal	16775003
CIE Lab	95.39, -15.24, 73.00
CIE LCh	95, 74.577, 101.793
Yxy	88.5369, 0.4066, 0.4712
Android (android.graphics.Color)	4294965083 (0xFFFFF75B)
YUV	231.6080, -69.3197, 20.5148
Hunter-Lab	94.0940, -19.7515, 51.3980

# Details

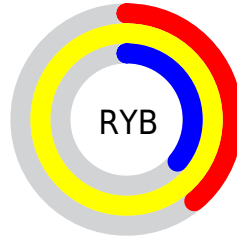
The XYZ color **76.3891, 88.5369, 22.9607** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.8263, 18.3675, 96.7385**, and the grayscale version is **76.8838, 80.8877, 88.0868**.

A 20% lighter version of the original color is **82.3453, 94.9181, 41.9979**, and **41.3229, 48.9383, 8.2454** is the 20% darker color. If you saturate the color by 10%, you get **75.0926, 87.4155, 17.9931**, and if you desaturate by 10%, it is **78.0658, 89.8210, 29.9000**.

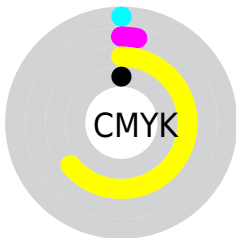
# Distribution



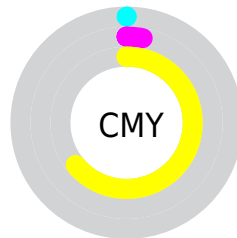
- Red (100%)
- Green (97%)
- Blue (36%)



- Red (39%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (3%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3891, 88.5369, 22.9607 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 76.3891, 88.5369, 22.9607 by changing the saturation by 10% instead.





 76.3891, 88.5369,  
22.9607


 76.3891, 88.5369,  
22.9607


471.6026,  
523.2599, 280.6385

 57.0498, 66.7678,  
14.3595


 127.2542,  
145.3044, 49.2512


 41.2855, 48.8960,  
8.2295


 159.5107,  
181.0716, 67.7775

 28.7309, 34.5369,  
4.1523


 196.8037,  
222.2736, 90.4492

 19.0206, 23.3064,  
1.7093

 239.4984,  
269.2949, 117.6850

 11.7893, 14.8199,  
0.3671

287.9603,  
322.5197, 149.9032

 6.6715, 8.6931,  
0.0000

342.5548,

 3.3020, 4.5415,

382.3326, 187.5225

0.0000

403.6470,  
449.1178, 230.9614

■ 1.3154, 1.9809,  
0.0000

■ 0.1947, 0.5963,  
0.0000

■ 76.3891, 88.5369,  
22.9607

■ 76.3891, 88.5369,  
22.9607

■ 75.0926, 87.4155,  
17.9931

■ 78.0658, 89.8210,  
29.9000

■ 74.1306, 86.4287,  
14.7832

■ 80.1507, 91.2692,  
38.9854

■ 73.4565, 85.5610,  
13.0770

■ 82.6761, 92.8976,  
50.3778

■ 73.1623, 85.1050,  
12.5708

■ 85.6694, 94.7173,  
64.2218

■ 89.1558, 96.7383,  
80.6497

■ 93.1586, 98.9699,  
99.7846

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

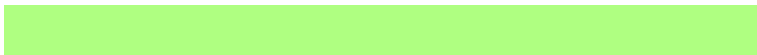
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.0085, 88.5369, 24.2332



76.3891, 88.5369, 22.9607



60.6299, 88.5369, 34.5731

# Triad

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



76.3891, 88.5369, 22.9607



58.1704, 88.5369, 192.2873



127.1692, 88.5369, 135.9220

# Complementary

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



76.3891, 88.5369, 22.9607



26.8263, 18.3675, 96.7385

# 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.



113.0841, 88.5369, 206.7138



76.3891, 88.5369, 22.9607



72.4841, 88.5369, 247.2776

# Square

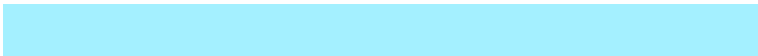
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3891, 88.5369, 22.9607



51.3062, 88.5369, 121.2237



92.4231, 88.5369, 253.4223



128.6706, 88.5369, 75.2227



# Rectangle

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



76.3891, 88.5369, 22.9607



54.1090, 88.5369, 52.4660



92.4231, 88.5369, 253.4223



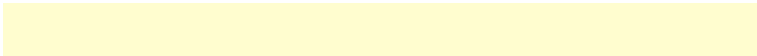
123.6550, 88.5369, 159.8237

# Sweetspot

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



76.3912, 88.5410, 22.9625



87.4589, 95.7657, 72.6185



47.2432, 29.6476, 15.0883



18.5098, 20.3755, 14.5559



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.



76.3912, 88.5410, 22.9625



74.8032, 87.1379, 16.9670



56.7517, 82.1231, 22.7588



19.4809, 20.9300, 19.1575



38.2623, 44.5357, 6.5796



3.7479, 4.3811, 0.6481



# Inverse Universe

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



26.8263, 18.3675, 96.7385



21.9134, 12.3000, 95.8269



37.2674, 22.6811, 97.0208



17.0740, 17.5196, 22.7317



9.5327, 3.9749, 49.6994

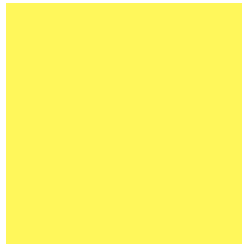


0.9520, 0.4348, 4.8470



# Previews

## White Background



This preview shows how the XYZ color 76.3891, 88.5369, 22.9607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

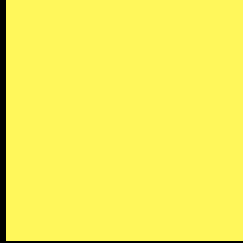
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3891, 88.5369, 22.9607 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 76.3891, 88.5369, 22.9607**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.3891, 88.5369, 22.9607.



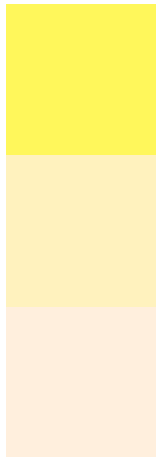
This preview shows how white text looks on a background with the XYZ color 76.3891, 88.5369,



# 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

76.3891, 88.5369, 22.9607

### Protanopia

82.2864, 88.4820, 61.4570

### Deuteranopia

85.1576, 88.2135, 80.9452



## Tritanopia

88.0056, 88.4209, 98.8148

# Trichromacy



## Original Color

76.3891, 88.5369, 22.9607



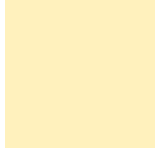
## Protanomaly

79.4234, 88.2945, 43.4283



## Deuteranomaly

80.6321, 87.8203, 52.7456



## Tritanomaly

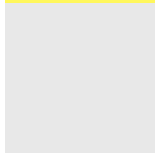
81.8806, 87.8447, 60.7843

# Monochromacy



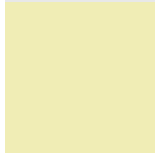
## Original Color

76.3891, 88.5369, 22.9607



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.5599, 82.4298, 55.6969

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3891, 88.5369, 22.9607 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 91) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3891, 88.5369, 22.9607 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, 91) }
```



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

```
.border{ border-color:rgb(255, 247, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
91) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3891, 88.5369, 22.9607 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, 91) }
```

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

```
.background{ background-color: rgb(255,  
247, 91) }
```

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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