

# Converting Colors

XYZ(77.6866, 92.9361, 22.8119)

Have a look what the booklet for  
XYZ(77.6866, 92.9361, 22.8119)  
contains.

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# Color

**XYZ(77.6252, 92.9036,  
22.8577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFF57
RGB	252, 255, 87
RGB Percent	99%, 100%, 34%
CMY	0.0118, 0.0000, 0.6588
CMYK	0.01, 0.00, 0.66, 0.00
HSL	61°, 100%, 67%
HSV	61°, 66%, 100%
XYZ	77.6252, 92.9036, 22.8577
YIQ	234.9510, 52.1400, -52.8840

# Conversions

## Conversions Part 2

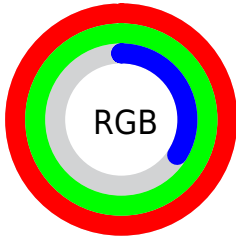
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 255, 90
Decimal	16580439
CIE Lab	97.19, -20.51, 76.29
CIE LCh	97, 78.998, 105.051
Yxy	92.9036, 0.4014, 0.4804
Android (android.graphics.Color)	4294770519 (0xFFFCFF57)
YUV	234.9510, -72.9398, 14.9520
Hunter-Lab	96.3865, -24.9208, 53.4102

# Details

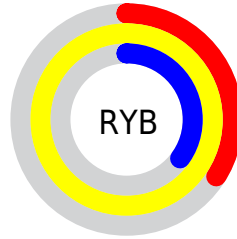
The XYZ color **77.6252, 92.9036, 22.8577** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.6757, 16.2112, 96.3836**, and the grayscale version is **79.4376, 83.5746, 91.0127**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **42.2343, 52.0824, 8.2077** is the 20% darker color. If you saturate the color by 10%, you get **76.5959, 92.4728, 18.2986**, and if you desaturate by 10%, it is **79.0227, 93.4816, 29.3560**.

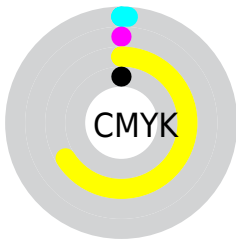
# Distribution



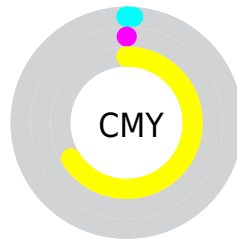
- Red (99%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (35%)



- Cyan (1%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6252, 92.9036, 22.8577 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 77.6252, 92.9036, 22.8577 by changing the saturation by 10% instead.




 77.6252, 92.9036,  
22.8577


 77.6252, 92.9036,  
22.8577


475.7523,  
537.4316, 280.0915


 58.0679, 70.3914,  
14.2842


 128.9898,  
151.3651, 49.0798


 42.1067, 51.8457,  
8.1776


 161.5278,  
188.0833, 67.5654

 29.3763, 36.8821,  
4.1194


 199.1233,  
230.3055, 90.1922

 19.5114, 25.1162,  
1.6911

 242.1418,  
278.4161, 117.3786

 12.1466, 16.1637,  
0.3546

290.9486,  
332.7997, 149.5432

 6.9165, 9.6400,  
0.0000

345.9091,

 3.4558, 5.1609,

393.8405, 187.1045

0.0000

407.3885,  
461.9230, 230.4811

■ 1.3991, 2.3420,  
0.0000

■ 0.2556, 0.7958,  
0.0000

■ 77.6252, 92.9036,  
22.8577

■ 77.6252, 92.9036,  
22.8577

■ 76.5959, 92.4728,  
18.2986

■ 79.0227, 93.4816,  
29.3560

■ 75.8940, 92.1731,  
15.4606

■ 80.8232, 94.2209,  
37.9734

■ 75.4691, 91.9842,  
14.0789

■ 83.0576, 95.1339,  
48.8733

■ 75.3441, 91.9264,  
13.7725

■ 85.7536, 96.2315,  
62.2020

88.9367, 97.5240,  
78.0938

92.6305, 99.0208,  
96.6731

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

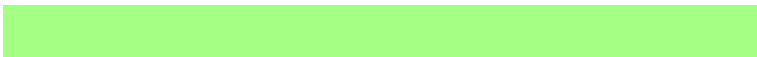
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



99.8353, 92.9036, 22.8366



77.6252, 92.9036, 22.8577



61.2907, 92.9036, 36.8233

# Triad

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



77.6252, 92.9036, 22.8577



61.3332, 92.9036, 215.3841



136.5652, 92.9036, 136.2686

# Complementary

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



77.6252, 92.9036, 22.8577



25.6757, 16.2112, 96.3836

# 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.



122.2712, 92.9036, 215.1273



77.6252, 92.9036, 22.8577



77.6932, 92.9036, 272.3122

# Square

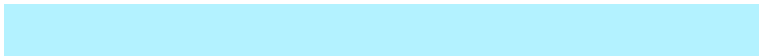
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6252, 92.9036, 22.8577



53.0194, 92.9036, 136.5274



99.9157, 92.9036, 272.2022



136.5386, 92.9036, 72.4917



# Rectangle

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



77.6252, 92.9036, 22.8577



54.8413, 92.9036, 57.6837



99.9157, 92.9036, 272.2022



133.1820, 92.9036, 162.3239

# Sweetspot

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



77.6252, 92.9035, 22.8589



87.5647, 96.9673, 71.2281



46.6003, 29.2277, 12.2034



18.5526, 20.6779, 14.2982



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.



77.6252, 92.9035, 22.8589



76.3439, 92.3661, 17.2396



53.6722, 80.5553, 21.7379



19.5273, 21.0732, 19.1827



39.3835, 48.0410, 7.1971



3.8445, 4.6827, 0.7012



# Inverse Universe

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



25.6757, 16.2112, 96.3836



21.0441, 10.6909, 95.5621



38.8703, 23.0133, 97.0011



17.0330, 17.3932, 22.7094



9.4743, 3.7946, 49.6677

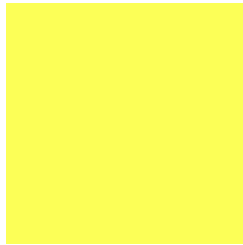


0.9326, 0.3747, 4.8364



# Previews

## White Background



This preview shows how the XYZ color 77.6252, 92.9036, 22.8577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

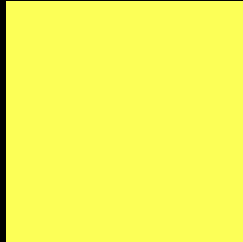
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6252, 92.9036, 22.8577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

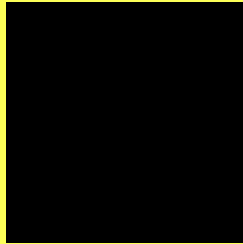
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.6252, 92.9036, 22.8577**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6252, 92.9036, 22.8577.



This preview shows how white text looks on a background with the XYZ color 77.6252, 92.9036,



# Color Blindness Simulation

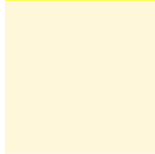
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



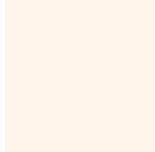
### Original Color

77.6252, 92.9036, 22.8577



### Protanopia

87.0251, 92.7913, 78.9694



### Deuteranopia

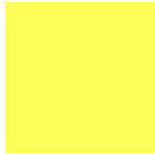
88.7437, 92.5053, 91.0199



## Tritanopia

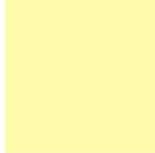
91.0033, 92.9264, 104.4070

# Trichromacy



## Original Color

77.6252, 92.9036, 22.8577



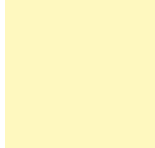
## Protanomaly

82.3144, 92.3443, 51.5160



## Deuteranomaly

83.0892, 92.1584, 57.1251



## Tritanomaly

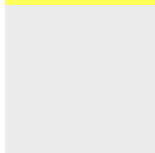
83.8444, 91.9672, 62.6226

# Monochromacy



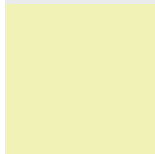
## Original Color

77.6252, 92.9036, 22.8577



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.3682, 85.5412, 56.2021

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6252, 92.9036, 22.8577 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(252, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 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(252, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 87) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6252, 92.9036, 22.8577 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(252, 255, 87) }
```



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

```
.border{ border-color:rgb(252, 255, 87) }
```

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

Here you see how a box with a 4 pixel rgb(252, 255, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
87) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6252, 92.9036, 22.8577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 87) }
```

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

```
.background{ background-color: rgb(252,  
255, 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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