

# Converting Colors

XYZ(80.0753, 100.0000,  
23.0742)

Have a look what the booklet for  
XYZ(80.0753, 100.0000, 23.0742)  
contains.

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# **Color**

**XYZ(75.9944, 92.0857,  
21.7516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FF52
RGB	248, 255, 82
RGB Percent	97%, 100%, 32%
CMY	0.0275, 0.0000, 0.6784
CMYK	0.03, 0.00, 0.68, 0.00
HSL	62°, 100%, 66%
HSV	62°, 68%, 100%
XYZ	75.9944, 92.0857, 21.7516
YIQ	233.1850, 51.3610, -55.2870

# Conversions

## Conversions Part 2

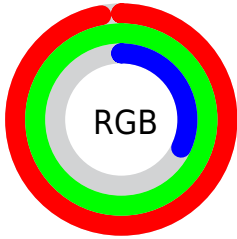
Format	Color
R <sub>Y</sub> B	82, 255, 89
Decimal	16318290
CIE Lab	96.86, -22.37, 77.66
CIE LCh	97, 80.821, 106.072
Yxy	92.0857, 0.4003, 0.4851
Android (android.graphics.Color)	4294508370 (0xFFFF8FF52)
YUV	233.1850, -74.5342, 12.9928
Hunter-Lab	95.9613, -26.5732, 53.7336

# Details

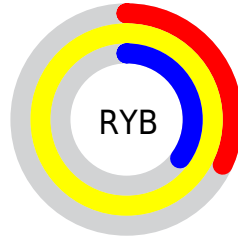
The XYZ color **75.9944, 92.0857, 21.7516** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.1882, 15.3796, 96.2487**, and the grayscale version is **78.1078, 82.1755, 89.4891**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **40.9331, 51.0795, 7.7019** is the 20% darker color. If you saturate the color by 10%, you get **74.8325, 91.5787, 17.5389**, and if you desaturate by 10%, it is **77.5186, 92.7377, 27.8644**.

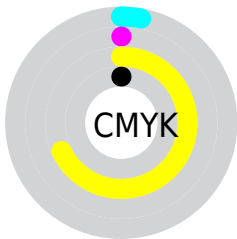
# Distribution



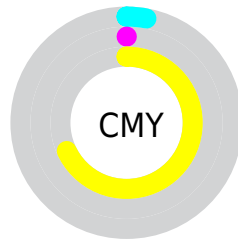
- Red (97%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (35%)



- Cyan (3%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9944, 92.0857, 21.7516 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 75.9944, 92.0857, 21.7516 by changing the saturation by 10% instead.




 75.9944, 92.0857,  
21.7516

 75.9944, 92.0857,  
21.7516


470.2732,  
534.7924, 274.1574


 56.7250, 69.7118,  
13.4779


 126.6994,  
150.2322, 47.2320


 41.0237, 51.2916,  
7.6239


 158.8656,  
186.7735, 65.2758

 28.5254, 36.4407,  
3.7709


 196.0615,  
228.8062, 87.4134

 18.8645, 24.7748,  
1.5005

 238.6525,  
276.7145, 114.0634

 11.6759, 15.9093,  
0.2183

287.0037,  
330.8829, 145.6442

 6.5940, 9.4600,  
0.0000

341.4807,

 3.2536, 5.0424,

391.6958, 182.5745

0.0000

402.4487,  
459.5375, 225.2727

■ 1.2892, 2.2722,  
0.0000

■ 0.1751, 0.7589,  
0.0000

■ 75.9944, 92.0857,  
21.7516

■ 75.9944, 92.0857,  
21.7516

■ 74.8325, 91.5787,  
17.5389

■ 77.5186, 92.7377,  
27.8644

■ 73.9908, 91.2001,  
15.0004

■ 79.4410, 93.5493,  
36.0622

■ 73.4127, 90.9272,  
13.8395

■ 81.7931, 94.5330,  
46.5122

■ 73.3049, 90.8751,  
13.6771

■ 84.6032, 95.7001,  
59.3635

87.8973, 97.0610,  
74.7524

91.6992, 98.6254,  
92.8052

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

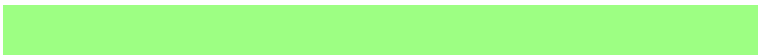
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.4513, 92.0857, 21.3178



75.9944, 92.0857, 21.7516



59.7149, 92.0857, 36.1654

# Triad

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



75.9944, 92.0857, 21.7516



60.6136, 92.0857, 219.8515



137.0630, 92.0857, 133.4470

# Complementary

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



75.9944, 92.0857, 21.7516



25.1882, 15.3796, 96.2487

# 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.



122.8538, 92.0857, 214.3211



75.9944, 92.0857, 21.7516



77.4380, 92.0857, 276.9917

# Square

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



75.9944, 92.0857, 21.7516



51.9406, 92.0857, 138.9839



100.1660, 92.0857, 274.6171



136.4942, 92.0857, 69.5021



# Rectangle

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



75.9944, 92.0857, 21.7516



53.3978, 92.0857, 57.6483



100.1660, 92.0857, 274.6171



133.7633, 92.0857, 159.9575

# Sweetspot

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



75.9944, 92.0856, 21.7528



87.1438, 96.7503, 71.2084



46.2343, 28.8114, 11.1081



18.4499, 20.6250, 14.2934



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.



75.9944, 92.0856, 21.7528



74.5342, 91.4461, 16.5677



52.3336, 79.8880, 20.6455



19.4843, 21.0511, 19.1807



38.3355, 47.5007, 7.1481



3.7543, 4.6362, 0.6970



# Inverse Universe

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



25.1882, 15.3796, 96.2487



20.8019, 10.2351, 95.4869



38.5834, 22.2851, 96.8756



17.0710, 17.4128, 22.7112



9.5284, 3.8225, 49.6702

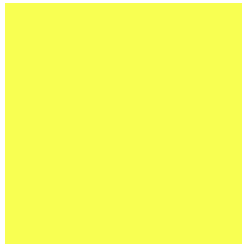


0.9506, 0.3840, 4.8373



# Previews

## White Background



This preview shows how the XYZ color 75.9944, 92.0857, 21.7516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

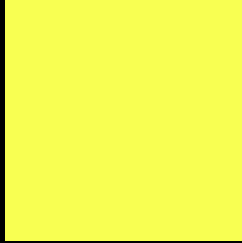
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9944, 92.0857, 21.7516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

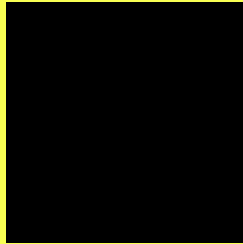
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.9944, 92.0857, 21.7516**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.9944, 92.0857, 21.7516.



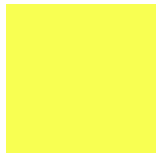
This preview shows how white text looks on a background with the XYZ color 75.9944, 92.0857,



# 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



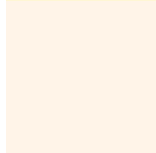
### Original Color

75.9944, 92.0857, 21.7516



### Protanopia

86.0794, 91.9250, 75.4938



### Deuteranopia

88.1562, 91.7876, 89.4144



## Tritanopia

90.4047, 91.7293, 104.2075

# Trichromacy



## Original Color

75.9944, 92.0857, 21.7516



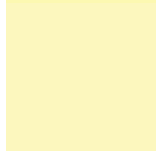
## Protanomaly

80.8121, 91.1634, 48.9344



## Deuteranomaly

81.6481, 91.0046, 54.8573



## Tritanomaly

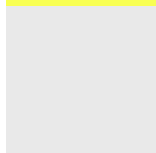
82.6999, 90.9347, 61.9086

# Monochromacy



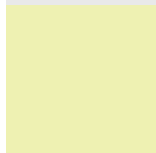
## Original Color

75.9944, 92.0857, 21.7516



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.7511, 84.3021, 54.4516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9944, 92.0857, 21.7516 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(248, 255, 82)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 82)  
}
```

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(248, 255, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 82) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9944, 92.0857, 21.7516 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(248, 255, 82) }
```



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

```
.border{ border-color:rgb(248, 255, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 82);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
82) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9944, 92.0857, 21.7516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 82) }
```

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

```
.background{ background-color: rgb(248,  
255, 82) }
```

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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