

# Converting Colors

XYZ(78.2361, 100.0000,  
23.7962)

Have a look what the booklet for  
XYZ(78.2361, 100.0000, 23.7962)  
contains.

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# Color

**XYZ(73.6753, 90.8766,  
22.2522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FF55
RGB	241, 255, 85
RGB Percent	95%, 100%, 33%
CMY	0.0549, 0.0000, 0.6666
CMYK	0.05, 0.00, 0.67, 0.00
HSL	65°, 100%, 67%
HSV	65°, 67%, 100%
XYZ	73.6753, 90.8766, 22.2522
YIQ	231.4340, 46.2260, -55.8380

# Conversions

## Conversions Part 2

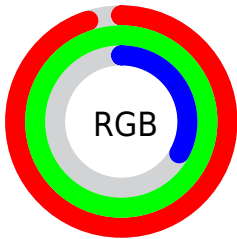
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 255, 99
Decimal	15859541
CIE Lab	96.36, -25.01, 75.92
CIE LCh	96, 79.929, 108.231
Yxy	90.8766, 0.3944, 0.4865
Android (android.graphics.Color)	4294049621 (0xFFFF1FF55)
YUV	231.4340, -72.1920, 8.3894
Hunter-Lab	95.3292, -28.8722, 52.8907

# Details

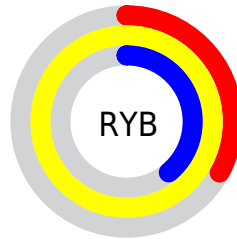
The XYZ color **73.6753, 90.8766, 22.2522** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.4453, 16.3709, 96.3738**, and the grayscale version is **76.7760, 80.7743, 87.9632**.

A 20% lighter version of the original color is **81.9579, 94.7632, 39.9581**, and **39.2885, 50.2273, 7.8251** is the 20% darker color. If you saturate the color by 10%, you get **72.1252, 90.1742, 17.8108**, and if you desaturate by 10%, it is **75.5986, 91.7292, 28.6177**.

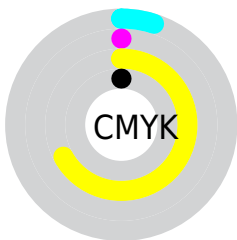
# Distribution



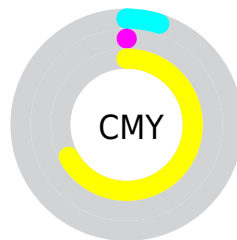
- Red (95%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (39%)



- Cyan (5%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6753, 90.8766, 22.2522 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 73.6753, 90.8766, 22.2522 by changing the saturation by 10% instead.





 73.6753, 90.8766,  
22.2522

 73.6753, 90.8766,  
22.2522


462.4196,  
530.8783, 276.8569


 54.8187, 68.7079,  
13.8422


 123.4334,  
148.5554, 48.0700


 39.4898, 50.4739,  
7.8735


 155.0656,  
184.8344, 66.3149

 27.3234, 35.7901,  
3.9275


 191.6869,  
226.5855, 88.6753

 17.9541, 24.2721,  
1.5857

 233.6629,  
274.1933, 115.5695

 11.0165, 15.5356,  
0.2806

281.3588,  
328.0421, 147.4163

 6.1453, 9.1961,  
0.0000

335.1400,

 2.9752, 4.8693,

388.5162, 184.6341

0.0000

395.3718,  
456.0002, 227.6414

■ 1.1406, 2.1708,  
0.0000

■ 0.0587, 0.7040,  
0.0000

■ 73.6753, 90.8766,  
22.2522

■ 73.6753, 90.8766,  
22.2522

■ 72.1252, 90.1742,  
17.8108

■ 75.5986, 91.7292,  
28.6177

■ 70.9068, 89.6055,  
15.0722

■ 77.9303, 92.7462,  
37.0892

■ 69.9682, 89.1496,  
13.7641

■ 80.7014, 93.9398,  
47.8314

■ 69.6911, 89.0121,  
13.5080

■ 83.9399, 95.3214,  
60.9918

87.6717, 96.9013,  
76.7055

91.9204, 98.6889,  
95.0976

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.



95.3953, 90.8766, 20.9568



73.6753, 90.8766, 22.2522



58.2444, 90.8766, 37.7321

# Triad

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



73.6753, 90.8766, 22.2522



60.9050, 90.8766, 221.2908



135.3706, 90.8766, 126.0921

# Complementary

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



73.6753, 90.8766, 22.2522



26.4453, 16.3709, 96.3738

# 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.



122.3588, 90.8766, 205.0127



73.6753, 90.8766, 22.2522



77.9430, 90.8766, 273.8038

# Square

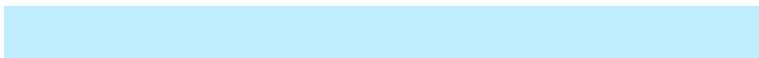
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6753, 90.8766, 22.2522



51.7910, 90.8766, 142.4245



100.4572, 90.8766, 266.8214



133.6943, 90.8766, 65.3656



# Rectangle

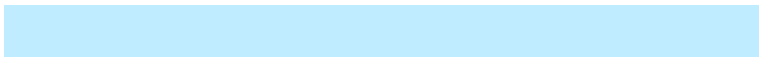
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.6753, 90.8766, 22.2522



52.4358, 90.8766, 60.1222



100.4572, 90.8766, 266.8214



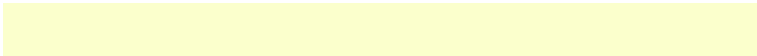
132.4894, 90.8766, 151.6771

# Sweetspot

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



73.6753, 90.8766, 22.2534



86.3706, 96.3517, 71.1723



47.0938, 30.3437, 11.9703



18.2616, 20.5279, 14.2846



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.



73.6753, 90.8766, 22.2534



71.6842, 89.9706, 16.7199



51.6326, 79.5132, 21.2218



19.4049, 21.0102, 19.1770



36.4767, 46.5425, 7.0611



3.5934, 4.5532, 0.6895



# Inverse Universe

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



26.4453, 16.3709, 96.3738



21.6039, 10.8095, 95.5555



40.4339, 23.5823, 97.0285



17.1416, 17.4492, 22.7145



9.6410, 3.8806, 49.6755

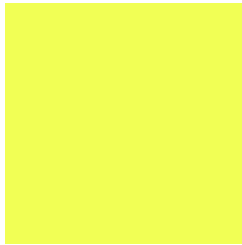


0.9840, 0.4012, 4.8388



# Previews

## White Background



This preview shows how the XYZ color 73.6753, 90.8766, 22.2522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

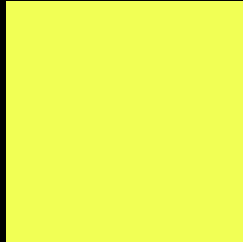
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6753, 90.8766, 22.2522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

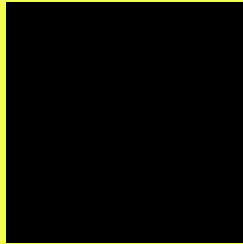
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.6753, 90.8766, 22.2522**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6753, 90.8766, 22.2522.



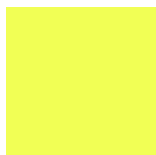
This preview shows how white text looks on a background with the XYZ color 73.6753, 90.8766,



# 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



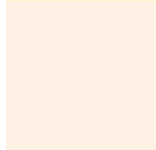
### Original Color

73.6753, 90.8766, 22.2522



### Protanopia

84.4898, 90.3210, 70.1073



### Deuteranopia

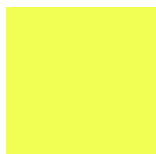
86.9957, 90.3657, 86.2559



## Tritanopia

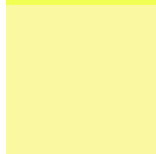
90.4501, 90.8002, 107.3667

# Trichromacy



## Original Color

73.6753, 90.8766, 22.2522



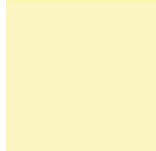
## Protanomaly

79.4248, 90.0320, 46.9100



## Deuteranomaly

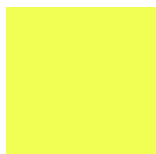
80.5216, 89.9801, 54.1983



## Tritanomaly

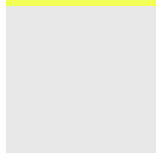
81.7024, 89.4791, 63.4171

# Monochromacy



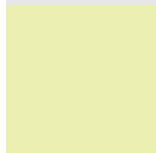
## Original Color

73.6753, 90.8766, 22.2522



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.4569, 83.1967, 54.3065

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6753, 90.8766, 22.2522 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(241, 255, 85)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 85)  
}
```

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(241, 255, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6753, 90.8766, 22.2522 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(241, 255, 85) }
```



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

```
.border{ border-color:rgb(241, 255, 85) }
```

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

Here you see how a box with a 4 pixel rgb(241, 255, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 85);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6753, 90.8766, 22.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 85) }
```

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

```
.background{ background-color: rgb(241,  
255, 85) }
```

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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