

# Converting Colors

XYZ(79.7292, 87.1734, 22.6210)

Have a look what the booklet for  
XYZ(79.7292, 87.1734, 22.6210)  
contains.

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# **Color**

**XYZ(74.2884, 84.3355,  
22.2605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF05B
RGB	255, 240, 91
RGB Percent	100%, 94%, 36%
CMY	0.0000, 0.0588, 0.6431
CMYK	0.00, 0.06, 0.64, 0.00
HSL	55°, 100%, 68%
HSV	55°, 64%, 100%
XYZ	74.2884, 84.3355, 22.2605
YIQ	227.4990, 56.7690, -43.1590

# Conversions

## Conversions Part 2

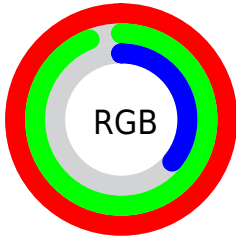
Format	Color
<a href="#">RYB</a>	<a href="#">108, 255, 91</a>
Decimal	<a href="#">16773211</a>
CIELab	<a href="#">93.60, -11.82, 71.14</a>
CIELCh	<a href="#">94, 72.114, 99.437</a>
Yxy	<a href="#">84.3355, 0.4107, 0.4662</a>
Android (android.graphics.Color)	<a href="#">4294963291 (0xFFFFF05B)</a>
YUV	<a href="#">227.4990, -67.2940, 24.1184</a>
Hunter-Lab	<a href="#">91.8344, -16.3145, 49.9123</a>

# Details

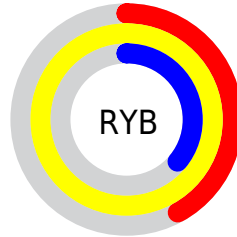
The XYZ color **74.2884, 84.3355, 22.2605** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **27.5185, 19.7518, 96.9693**, and the grayscale version is **73.8255, 77.6702, 84.5828**.

A 20% lighter version of the original color is **82.2665, 94.8866, 41.5828**, and **39.8558, 45.9669, 7.8705** is the 20% darker color. If you saturate the color by 10%, you get **72.6887, 82.6077, 17.1918**, and if you desaturate by 10%, it is **76.2744, 86.2383, 29.3029**.

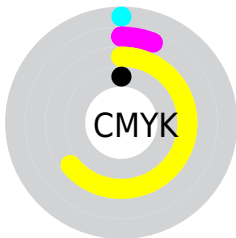
# Distribution



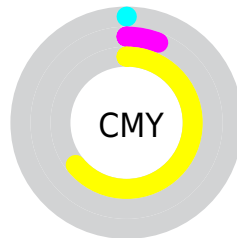
- Red (100%)
- Green (94%)
- Blue (36%)



- Red (42%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (6%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2884, 84.3355, 22.2605 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 74.2884, 84.3355, 22.2605 by changing the saturation by 10% instead.




 74.2884, 84.3355,  
22.2605

 74.2884, 84.3355,  
22.2605


464.5031,  
509.4267, 276.9014

 55.3222, 63.2925,  
13.8483


 124.2979,  
139.4444, 48.0839


 39.8946, 46.0779,  
7.8777


 156.0719,  
174.2790, 66.3321

 27.6402, 32.3073,  
3.9301


 192.8458,  
214.4797, 88.6961

 18.1937, 21.5963,  
1.5871

 234.9852,  
260.4307, 115.5944

 11.1897, 13.5606,  
0.2816

282.8552,  
312.5166, 147.4456

 6.2628, 7.8157,  
0.0000

336.8213,

 3.0477, 3.9772,

371.1216, 184.6681

0.0000

397.2488,  
436.6301, 227.6805

■ 1.1790, 1.6608,  
0.0000

■ 0.0897, 0.3981,  
0.0000

■ 74.2884, 84.3355,  
22.2605

■ 74.2884, 84.3355,  
22.2605

■ 72.6887, 82.6077,  
17.1918

■ 76.2744, 86.2383,  
29.3029

■ 71.4298, 81.0271,  
13.8830


■ 78.6750, 88.3179,  
38.4934


■ 70.4651, 79.5782,  
12.0799

■ 81.5224, 90.5904,  
49.9932

■ 70.0083, 78.7971,  
11.5195

■ 84.8442, 93.0669,  
63.9466

 88.6654, 95.7575,  
80.4861

 93.0095, 98.6717,  
99.7348

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

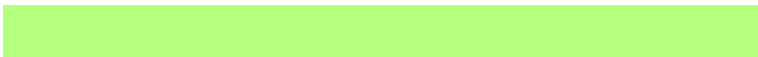
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7556, 84.3355, 24.3750



74.2884, 84.3355, 22.2605



59.0272, 84.3355, 32.2111

# Triad

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



74.2884, 84.3355, 22.2605



55.0179, 84.3355, 176.1113



119.6762, 84.3355, 133.9241

# Complementary

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



74.2884, 84.3355, 22.2605



27.5185, 19.7518, 96.9693

# 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.



105.8122, 84.3355, 199.3081



74.2884, 84.3355, 22.2605



67.9437, 84.3355, 229.6264

# Square

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



74.2884, 84.3355, 22.2605



49.1249, 84.3355, 110.1674



86.3297, 84.3355, 239.4827



122.0984, 84.3355, 75.6443



# Rectangle

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



74.2884, 84.3355, 22.2605



52.5214, 84.3355, 48.0714



86.3297, 84.3355, 239.4827



116.1054, 84.3355, 156.3305

# Sweetspot

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



74.2904, 84.3395, 22.2622



86.8107, 94.4694, 72.4025



47.6564, 29.8129, 17.2644



18.3507, 20.0571, 14.5029



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.



74.2904, 84.3395, 22.2622



72.3189, 82.1692, 16.1389



58.7343, 83.1452, 22.8516



19.4109, 20.7899, 19.1341



36.6396, 41.2905, 6.0387



3.6073, 4.0999, 0.6012



# Inverse Universe

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



27.5185, 19.7518, 96.9693



22.4590, 13.3912, 96.0088



35.6186, 21.8311, 96.9437



17.1365, 17.6446, 22.7525



9.6396, 4.1887, 49.7350

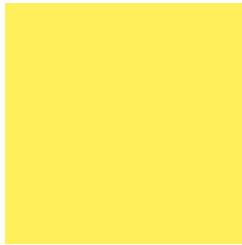


0.9816, 0.4938, 4.8569



# Previews

## White Background



This preview shows how the XYZ color 74.2884, 84.3355, 22.2605 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

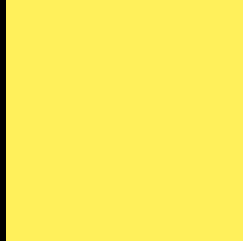
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2884, 84.3355, 22.2605 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 74.2884, 84.3355, 22.2605**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.2884, 84.3355, 22.2605.



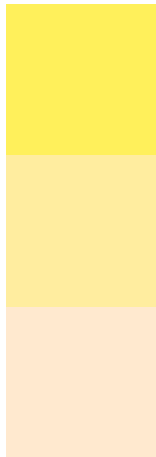
This preview shows how white text looks on a background with the XYZ color 74.2884, 84.3355,



# 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

74.2884, 84.3355, 22.2605

### Protanopia

77.7822, 84.3316, 44.9789

### Deuteranopia

81.6414, 84.0428, 70.9504



## Tritanopia

85.2650, 84.1449, 94.1857

# Trichromacy



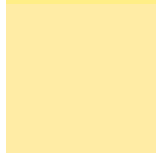
## Original Color

74.2884, 84.3355, 22.2605



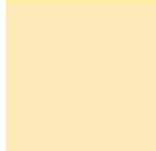
## Protanomaly

76.1176, 84.1303, 34.7812



## Deuteranomaly

78.0270, 83.9675, 47.6922



## Tritanomaly

79.5257, 83.6508, 58.4091

# Monochromacy



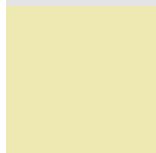
## Original Color

74.2884, 84.3355, 22.2605



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

72.1524, 79.1047, 53.5854

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2884, 84.3355, 22.2605 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, 240, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 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, 240, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 91) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2884, 84.3355, 22.2605 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, 240, 91) }
```



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

```
.border{ border-color:rgb(255, 240, 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, 240, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
91) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2884, 84.3355, 22.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 91) }
```

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

```
.background{ background-color: rgb(255,  
240, 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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