

# Converting Colors

XYZ(72.0467, 82.8920, 27.6692)

Have a look what the booklet for  
XYZ(72.0467, 82.8920, 27.6692)  
contains.

<b>XYZ(72.0908, 83.0829, 27.5662)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(72.0908, 83.0829,  
27.5662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F070
RGB	246, 240, 112
RGB Percent	96%, 94%, 44%
CMY	0.0353, 0.0588, 0.5608
CMYK	0.00, 0.02, 0.54, 0.04
HSL	57°, 88%, 70%
HSV	57°, 54%, 96%
XYZ	72.0908, 83.0829, 27.5662
YIQ	227.2020, 44.6640, -38.5360

# Conversions

## Conversions Part 2

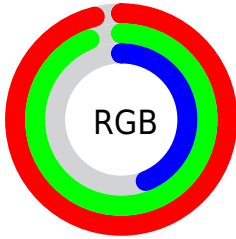
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 246, 112
Decimal	16183408
CIE <sub>Lab</sub>	93.05, -14.06, 61.50
CIE <sub>LCh</sub>	93, 63.083, 102.880
Yxy	83.0829, 0.3945, 0.4547
Android (android.graphics.Color)	4294373488 (0xFFFF6F070)
YUV	227.2020, -56.7946, 16.4858
Hunter-Lab	91.1498, -18.3357, 45.8740

# Details

The XYZ color **72.0908, 83.0829, 27.5662** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.7951, 23.0548, 90.0682**, and the grayscale version is **73.5404, 77.3702, 84.2561**.

A 20% lighter version of the original color is **83.9751, 95.5700, 50.5801**, and **38.3725, 45.1412, 10.5616** is the 20% darker color. If you saturate the color by 10%, you get **70.5818, 81.9657, 21.2044**, and if you desaturate by 10%, it is **73.9798, 84.3614, 35.9023**.

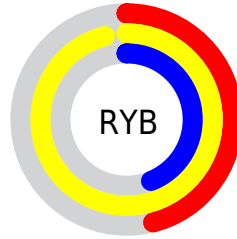
# Distribution



Red (96%)

Green (94%)

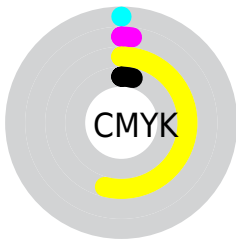
Blue (44%)



Red (46%)

Yellow (96%)

Blue (44%)

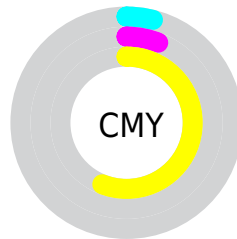


Cyan (0%)

Magenta (2%)

Yellow (54%)

Black (4%)



Cyan (4%)

Magenta (6%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0908, 83.0829, 27.5662 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 72.0908, 83.0829, 27.5662 by changing the saturation by 10% instead.





 72.0908, 83.0829,  
27.5662

 72.0908, 83.0829,  
27.5662


457.0103,  
505.2628, 304.2347

 53.5186, 62.2585,  
17.7627


 121.1957,  
137.6916, 56.8058

 38.4460, 45.2416,  
10.6121


 152.4591,  
172.2447, 77.0791

 26.5078, 31.6478,  
5.6958


 188.6836,  
212.1428, 101.6794

 17.3386, 21.0926,  
2.5952

230.2346,  
257.7703, 131.0252

 10.5730, 13.1917,  
0.8900

277.4774,  
309.5117, 165.5351

 5.8457, 7.5607,  
0.0000

330.7774,

 2.7912, 3.8152,

367.7513, 205.6276

0.0000

390.4999,  
432.8735, 251.7213

■ 1.0443, 1.5707,  
0.0000

■ 0.0000, 0.3377,  
0.0000

■ 72.0908, 83.0829,  
27.5662

■ 72.0908, 83.0829,  
27.5662

■ 70.5818, 81.9657,  
21.2044

■ 73.9798, 84.3614,  
35.9023

■ 69.4157, 80.9857,  
16.6471


■ 76.2707, 85.8008,  
46.3537


■ 68.5581, 80.1322,  
13.7047


■ 78.9906, 87.4149,  
59.0544


■ 67.9645, 79.3874,  
12.1427


■ 82.1626, 89.2130,  
74.1260


 67.7134, 79.0078,  
11.6811

 85.8081, 91.2037,  
91.6813

 89.1970, 93.0949,  
107.8757

 89.5337, 93.7684,  
107.9879

 89.8725, 94.4459,  
108.1008

 90.2132, 95.1274,  
108.2144

# Harmonies

## Analogous

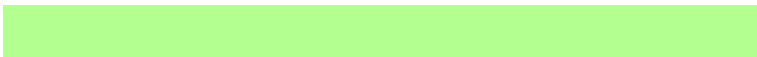
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7019, 83.0829, 28.3635



72.0908, 83.0829, 27.5662



59.2490, 83.0829, 38.7997

# Triad

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



72.0908, 83.0829, 27.5662



57.8859, 83.0829, 167.6442



113.4164, 83.0829, 120.0027

# Complementary

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



72.0908, 83.0829, 27.5662



29.7951, 23.0548, 90.0682

# 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.



102.6380, 83.0829, 174.9359



72.0908, 83.0829, 27.5662



69.9732, 83.0829, 208.3681

# Square

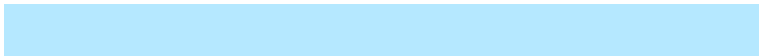
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0908, 83.0829, 27.5662



51.8520, 83.0829, 112.3152



86.2688, 83.0829, 211.4246



114.1933, 83.0829, 71.6469



# Rectangle

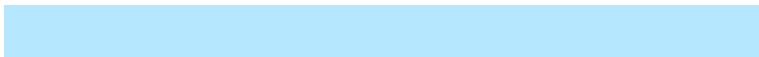
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0908, 83.0829, 27.5662



53.9154, 83.0829, 54.9796



86.2688, 83.0829, 211.4246



110.7806, 83.0829, 138.6440

# Sweetspot

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



72.0928, 83.0867, 27.5679



88.5838, 96.4865, 77.7072



47.1125, 32.5067, 21.1508



18.8033, 20.5638, 15.8826



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.



72.0928, 83.0867, 27.5679



76.4942, 88.8664, 22.6276



56.0577, 77.4830, 27.3314



17.8474, 19.1790, 17.5588



36.1716, 42.2288, 6.2445



3.1984, 3.7501, 0.5553



# Inverse Universe

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



29.7951, 23.0548, 90.0682



26.4375, 17.8435, 96.6585



39.5086, 27.0478, 90.3269



15.6406, 16.0455, 20.8153



8.9693, 3.7323, 46.7857

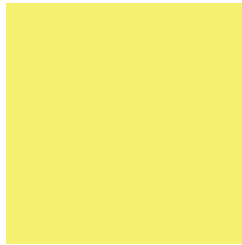


0.8088, 0.3691, 4.1188



# Previews

## White Background



This preview shows how the XYZ color 72.0908, 83.0829, 27.5662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

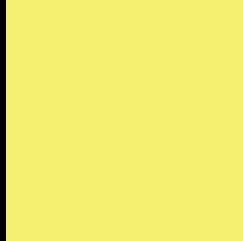
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0908, 83.0829, 27.5662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

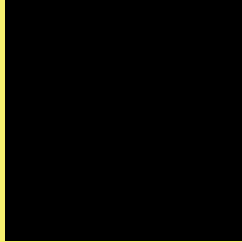
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.0908, 83.0829, 27.5662**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0908, 83.0829, 27.5662.



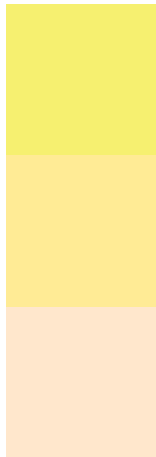
This preview shows how white text looks on a background with the XYZ color 72.0908, 83.0829,



# 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

72.0908, 83.0829, 27.5662

### Protanopia

76.3731, 82.8466, 40.3995

### Deuteranopia

80.7150, 82.7715, 68.8491



## Tritanopia

84.7361, 82.6090, 95.4835

# Trichromacy



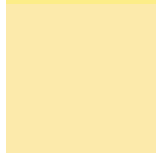
## Original Color

72.0908, 83.0829, 27.5662



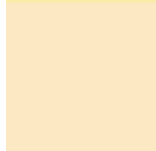
## Protanomaly

74.8730, 83.0414, 35.3749



## Deuteranomaly

76.9184, 82.4814, 50.3945



## Tritanomaly

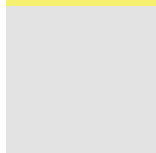
78.8518, 82.3488, 63.3687

# Monochromacy



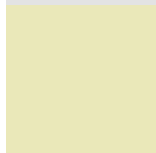
## Original Color

72.0908, 83.0829, 27.5662



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

71.5453, 78.7084, 57.3203

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0908, 83.0829, 27.5662 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(246, 240, 112)` looks like.

```
.text, #text, p{  
    color:rgb(246, 240, 112)  
}
```

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(246, 240, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 240, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0908, 83.0829, 27.5662 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(246, 240, 112) }
```



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

```
.border{ border-color:rgb(246, 240, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 240, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 240, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 240, 112);  
box-shadow:4px 4px 4px 4px rgb(246, 240,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0908, 83.0829, 27.5662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 240, 112) }
```

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

```
.background{ background-color: rgb(246,  
240, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor