

# Converting Colors

XYZ(72.4890, 82.8455, 41.4487)

Have a look what the booklet for  
XYZ(72.4890, 82.8455, 41.4487)  
contains.

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# Color

**XYZ(72.6812, 83.0798,  
41.4835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F097
RGB	240, 240, 151
RGB Percent	94%, 94%, 59%
CMY	0.0588, 0.0588, 0.4078
CMYK	0.00, 0.00, 0.37, 0.06
HSL	60°, 75%, 77%
HSV	60°, 37%, 94%
XYZ	72.6812, 83.0798, 41.4835
YIQ	229.8540, 28.5690, -27.6790

# Conversions

## Conversions Part 2

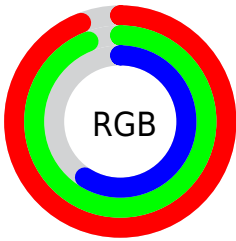
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 240, 151
Decimal	15790231
CIE Lab	93.05, -12.81, 43.03
CIE LCh	93, 44.895, 106.584
Yxy	83.0798, 0.3685, 0.4212
Android (android.graphics.Color)	4293980311 (0xFFFF0F097)
YUV	229.8540, -38.8750, 8.8980
Hunter-Lab	91.1481, -17.1739, 36.8195

# Details

The XYZ color **72.6812, 83.0798, 41.4835** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.5603, 35.0059, 87.1147**, and the grayscale version is **75.3713, 79.2964, 86.3538**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **38.9211, 45.2491, 18.4870** is the 20% darker color. If you saturate the color by 10%, you get **70.9275, 82.3812, 32.2423**, and if you desaturate by 10%, it is **74.8359, 83.9447, 52.8178**.

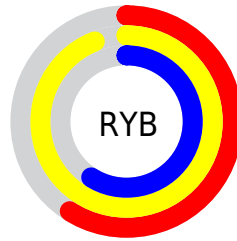
# Distribution



Red (94%)

Green (94%)

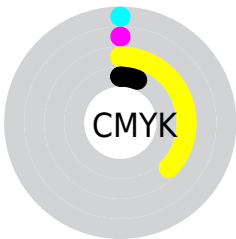
Blue (59%)



Red (59%)

Yellow (94%)

Blue (59%)

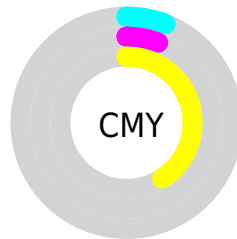


Cyan (0%)

Magenta (0%)

Yellow (37%)

Black (6%)



Cyan (6%)

Magenta (6%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6812, 83.0798, 41.4835 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 72.6812, 83.0798, 41.4835 by changing the saturation by 10% instead.





 72.6812, 83.0798,  
41.4835


 72.6812, 83.0798,  
41.4835


459.0301,  
505.2524, 368.0737

 54.0028, 62.2560,  
28.3745


 122.0301,  
137.6872, 78.6790

 38.8346, 45.2396,  
18.3667


 153.4313,  
172.2396, 103.6025

 26.8112, 31.6462,  
11.0414


189.8041,  
212.1370, 133.3014

 17.5673, 21.0914,  
5.9802

231.5139,  
257.7638, 168.1940

 10.7376, 13.1908,  
2.7644

278.9260,  
309.5043, 208.6990

 5.9567, 7.5601,  
0.9756

332.4059,

 2.8592, 3.8148,

367.7430, 255.2350

0.0000

392.3188,  
432.8642, 308.2203

■ 1.0797, 1.5705,  
0.0000

■ 0.0081, 0.3376,  
0.0000

■ 72.6812, 83.0798,  
41.4835

■ 72.6812, 83.0798,  
41.4835

■ 70.9275, 82.3812,  
32.2423

■ 74.8359, 83.9447,  
52.8178

■ 69.5442, 81.8278,  
24.9613

■ 77.4075, 84.9734,  
66.3569

■ 68.5067, 81.4128,  
19.5008

■ 80.4187, 86.1780,  
82.2108

■ 67.7845, 81.1238,  
15.7003

■ 83.8887, 87.5660,  
100.4804

67.3416, 80.9466,  
13.3713

85.1499, 88.0706,  
107.1192

67.1321, 80.8627,  
12.2708

85.1505, 88.0709,  
107.1192

67.0936, 80.8473,  
12.0689

85.1511, 88.0712,  
107.1192

85.1516, 88.0714,  
107.1193

85.1522, 88.0717,  
107.1193

# Harmonies

## Analogous

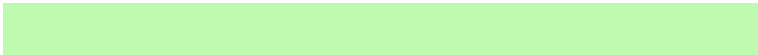
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3317, 83.0798, 40.9345



72.6812, 83.0798, 41.4835



63.6433, 83.0798, 52.8325

# Triad

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



72.6812, 83.0798, 41.4835



64.4125, 83.0798, 146.1659



103.0819, 83.0798, 106.3428

# Complementary

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



72.6812, 83.0798, 41.4835



39.5603, 35.0059, 87.1147

# 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.



96.5670, 83.0798, 142.7049



72.6812, 83.0798, 41.4835



73.8307, 83.0798, 169.2653

# Square

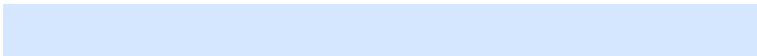
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6812, 83.0798, 41.4835



59.2042, 83.0798, 110.2445



85.6006, 83.0798, 167.8611



102.6956, 83.0798, 73.1961

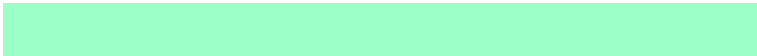


# Rectangle

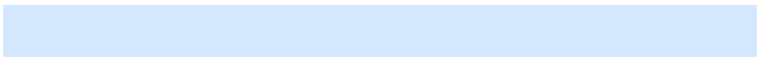
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6812, 83.0798, 41.4835



59.9685, 83.0798, 67.0744



85.6006, 83.0798, 167.8611



101.6008, 83.0798, 118.7324

# Sweetspot

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



72.6833, 83.0836, 41.4852



90.8575, 98.3229, 86.8264



52.5905, 42.8949, 34.7870



19.3461, 21.0047, 18.0519



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

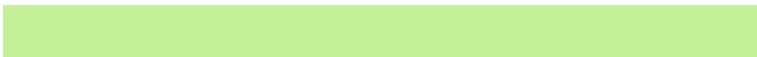
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6833, 83.0836, 41.4852



81.7492, 94.6793, 38.8740



59.3843, 76.2277, 40.8629



17.1229, 18.4590, 16.8102



36.7259, 44.2545, 6.6063



3.0553, 3.6816, 0.5496



# Inverse Universe

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



39.5603, 35.0059, 87.1147



38.3234, 31.6472, 98.6964



49.4324, 40.0952, 87.5767



14.8974, 15.2288, 19.8759



8.6100, 3.4440, 45.3388

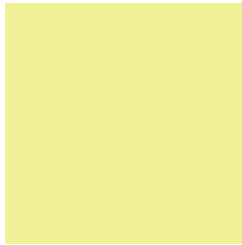


0.7163, 0.2865, 3.7718



# Previews

## White Background



This preview shows how the XYZ color 72.6812, 83.0798, 41.4835 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

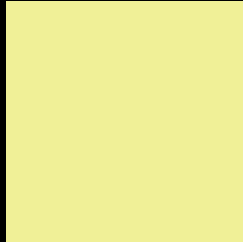
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.6812, 83.0798, 41.4835 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

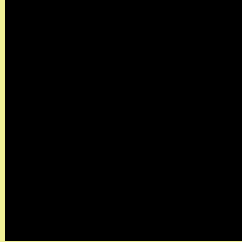
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.6812, 83.0798, 41.4835**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.6812, 83.0798, 41.4835.



This preview shows how white text looks on a background with the XYZ color 72.6812, 83.0798,

41.4835.

# 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

72.6812, 83.0798, 41.4835

### Protanopia

76.7811, 83.0098, 42.5475

### Deuteranopia

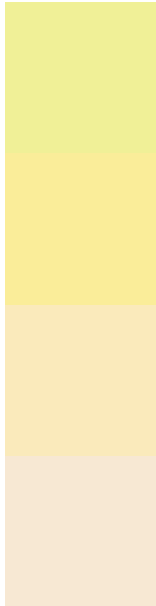
81.0784, 82.9168, 70.7627



## Tritanopia

84.1616, 82.6499, 98.7060

# Trichromacy



## Original Color

72.6812, 83.0798, 41.4835

## Protanomaly

75.4583, 83.1923, 42.2176

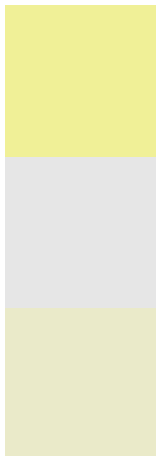
## Deuteranomaly

77.8168, 82.7575, 58.8861

## Tritanomaly

78.9723, 82.1905, 73.3301

# Monochromacy



## Original Color

72.6812, 83.0798, 41.4835

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

73.8971, 80.5551, 66.9122

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.6812, 83.0798, 41.4835 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(240, 240, 151)` looks like.

```
.text, #text, p{  
    color:rgb(240, 240, 151)  
}
```

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(240, 240, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 240, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 72.6812, 83.0798, 41.4835 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(240, 240, 151) }
```



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

```
.border{ border-color:rgb(240, 240, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 240, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 240, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 240, 151);  
box-shadow:4px 4px 4px 4px rgb(240, 240,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.6812, 83.0798, 41.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 240, 151) }
```

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

```
.background{ background-color: rgb(240,  
240, 151) }
```

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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