

# Converting Colors

XYZ(71.2399, 82.9670, 26.3608)

Have a look what the booklet for  
XYZ(71.2399, 82.9670, 26.3608)  
contains.

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# Color

**XYZ(71.4703, 83.2264,  
26.4848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F16C
RGB	244, 241, 108
RGB Percent	96%, 95%, 42%
CMY	0.0431, 0.0549, 0.5765
CMYK	0.00, 0.01, 0.56, 0.04
HSL	59°, 86%, 69%
HSV	59°, 56%, 96%
XYZ	71.4703, 83.2264, 26.4848
YIQ	226.7350, 44.4810, -40.7270

# Conversions

## Conversions Part 2

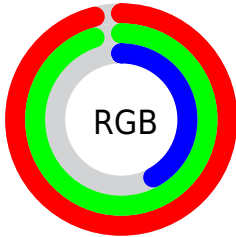
Format	Color
R <sub>Y</sub> B	111, 244, 108
Decimal	16052588
CIE Lab	93.11, -15.64, 63.28
CIE LCh	93, 65.185, 103.886
Yxy	83.2264, 0.3945, 0.4594
Android (android.graphics.Color)	4294242668 (0xFFFF4F16C)
YUV	226.7350, -58.5364, 15.1414
Hunter-Lab	91.2285, -19.8093, 46.6473

# Details

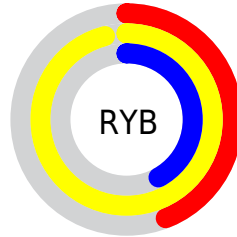
The XYZ color **71.4703, 83.2264, 26.4848** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.1980, 21.0882, 88.1718**, and the grayscale version is **73.2122, 77.0250, 83.8802**.

A 20% lighter version of the original color is **83.6109, 95.4243, 48.6623**, and **37.9764, 45.2601, 9.9833** is the 20% darker color. If you saturate the color by 10%, you get **70.1913, 82.4639, 20.5241**, and if you desaturate by 10%, it is **73.1170, 84.1429, 34.3625**.

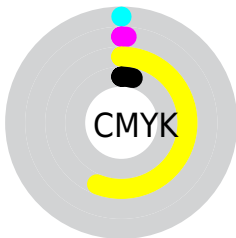
# Distribution



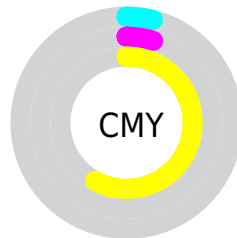
- Red (96%)
- Green (95%)
- Blue (42%)



- Red (44%)
- Yellow (96%)
- Blue (42%)



- Cyan (0%)
- Magenta (1%)
- Yellow (56%)
- Black (4%)



- Cyan (4%)
- Magenta (5%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4703, 83.2264, 26.4848 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 71.4703, 83.2264, 26.4848 by changing the saturation by 10% instead.



71.4703, 83.2264,  
26.4848

71.4703, 83.2264,  
26.4848

454.8821,  
505.7407, 298.8347

53.0100, 62.3769,  
16.9577

120.3180,  
137.8925, 55.0497

38.0383, 45.3373,  
10.0427

151.4361,  
172.4779, 74.9245

26.1897, 31.7232,  
5.3213

187.5043,  
212.4108, 99.0856

17.0991, 21.1502,  
2.3750

228.8877,  
258.0755, 127.9516

10.4009, 13.2338,  
0.7728

275.9519,  
309.8565, 161.9409

5.7299, 7.5898,  
0.0000

329.0621,

2.7206, 3.8336,

368.1381, 201.4722

0.0000

388.5837,  
433.3047, 246.9640

■ 1.0078, 1.5809,  
0.0000

■ 0.0000, 0.3447,  
0.0000

■ 71.4703, 83.2264,  
26.4848

■ 71.4703, 83.2264,  
26.4848

■ 70.1913, 82.4639,  
20.5241

■ 73.1170, 84.1429,  
34.3625

■ 69.2430, 81.8313,  
16.3110


■ 75.1532, 85.2128,  
44.2973


■ 68.5910, 81.3181,  
13.6557


■ 77.6057, 86.4501,  
56.4221


■ 68.1902, 80.9060,  
12.3212


■ 80.4974, 87.8637,  
70.8572


 68.0662, 80.7493,  
11.9987

 83.8494, 89.4622,  
87.7142

 87.6817, 91.2536,  
107.0976

 87.9396, 91.6160,  
107.6565

 88.1021, 91.9410,  
107.7107

 88.2650, 92.2669,  
107.7650

# Harmonies

## Analogous

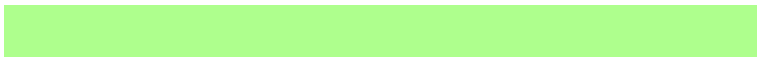
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5889, 83.2264, 26.9045



71.4703, 83.2264, 26.4848



58.4237, 83.2264, 38.2716

# Triad

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



71.4703, 83.2264, 26.4848



57.6879, 83.2264, 172.8609



115.0975, 83.2264, 119.3592

# Complementary

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



71.4703, 83.2264, 26.4848



28.1980, 21.0882, 88.1718

# 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.



104.1661, 83.2264, 176.8756



71.4703, 83.2264, 26.4848



70.3219, 83.2264, 214.5844

# Square

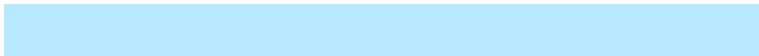
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4703, 83.2264, 26.4848



51.2776, 83.2264, 115.1579



87.2632, 83.2264, 216.2731



115.5231, 83.2264, 69.8406



# Rectangle

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



71.4703, 83.2264, 26.4848



53.0935, 83.2264, 55.1592



87.2632, 83.2264, 216.2731



112.4659, 83.2264, 138.7268

# Sweetspot

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



71.4723, 83.2303, 26.4865



88.5359, 96.9086, 76.0950



45.6257, 31.1408, 19.0925



18.8068, 20.6728, 15.5694



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.



71.4723, 83.2303, 26.4865



77.4183, 91.0468, 21.9118



54.0047, 75.5515, 25.9250



17.8816, 19.2473, 17.5702



37.0250, 43.9356, 6.5290



3.2639, 3.8810, 0.5771



# Inverse Universe

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



28.1980, 21.0882, 88.1718



25.2019, 16.0764, 96.3825



38.5889, 25.9682, 88.5661



15.6104, 15.9851, 20.8052



8.9234, 3.6405, 46.7704

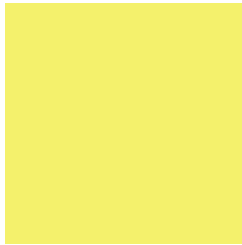


0.7944, 0.3402, 4.1140



# Previews

## White Background



This preview shows how the XYZ color 71.4703, 83.2264, 26.4848 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

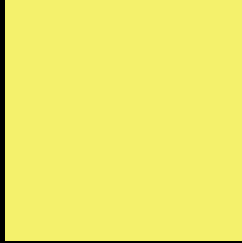
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.4703, 83.2264, 26.4848 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

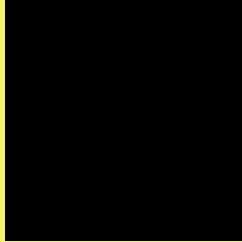
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.4703, 83.2264, 26.4848**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.4703, 83.2264, 26.4848.



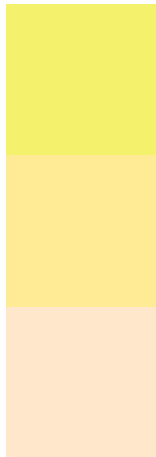
This preview shows how white text looks on a background with the XYZ color 71.4703, 83.2264,



# 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

71.4703, 83.2264, 26.4848

### Protanopia

76.4534, 82.8787, 40.8218

### Deuteranopia

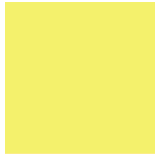
80.7150, 82.7715, 68.8491



## Tritanopia

85.1611, 83.2179, 96.3682

# Trichromacy



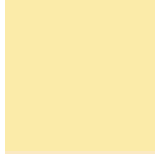
## Original Color

71.4703, 83.2264, 26.4848



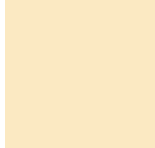
## Protanomaly

74.4410, 82.8269, 34.9854



## Deuteranomaly

76.6534, 82.7905, 49.4762



## Tritanomaly

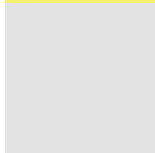
78.6602, 82.6821, 62.8523

# Monochromacy



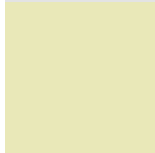
## Original Color

71.4703, 83.2264, 26.4848



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

71.1126, 78.4976, 56.7509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.4703, 83.2264, 26.4848 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(244, 241, 108)` looks like.

```
.text, #text, p{  
    color:rgb(244, 241, 108)  
}
```

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(244, 241, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 241, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 71.4703, 83.2264, 26.4848 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(244, 241, 108) }
```



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

```
.border{ border-color:rgb(244, 241, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 241, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 241, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 241, 108);  
box-shadow:4px 4px 4px 4px rgb(244, 241,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.4703, 83.2264, 26.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 241, 108) }
```

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

```
.background{ background-color: rgb(244,  
241, 108) }
```

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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