

# Converting Colors

XYZ(42.4729, 71.3591, 11.6414)

Have a look what the booklet for  
XYZ(42.4729, 71.3591, 11.6414)  
contains.

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# Color

**XYZ(42.4886, 71.2761,  
11.6332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82F704
RGB	130, 247, 4
RGB Percent	51%, 97%, 2%
CMY	0.4902, 0.0314, 0.9842
CMYK	0.47, 0.00, 0.98, 0.03
HSL	89°, 97%, 49%
HSV	89°, 98%, 97%
XYZ	42.4886, 71.2761, 11.6332
YIQ	184.3150, 8.2710, -100.3770

# Conversions

## Conversions Part 2

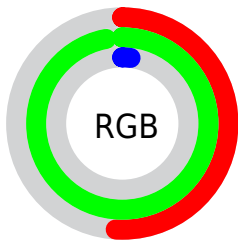
Format	Color
<a href="#">RYB</a>	<a href="#">4, 247, 121</a>
Decimal	<a href="#">8582916</a>
CIELab	<a href="#">87.62, -64.32, 83.75</a>
CIELCh	<a href="#">88, 105.603, 127.526</a>
Yxy	<a href="#">71.2761, 0.3388, 0.5684</a>
Android (android.graphics.Color)	<a href="#">4286772996 (0xFF82F704)</a>
YUV	<a href="#">184.3150, -88.8953, -47.6343</a>
Hunter-Lab	<a href="#">84.4252, -57.9105, 50.9279</a>

# Details

The XYZ color **42.4886, 71.2761, 11.6332** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **24.7244, 10.8715, 88.7949**, and the grayscale version is **46.2120, 48.6186, 52.9457**.

A 20% lighter version of the original color is **59.4740, 83.5168, 23.3417**, and **20.4634, 37.8837, 6.2338** is the 20% darker color. If you saturate the color by 10%, you get **42.1726, 71.1180, 11.5044**, and if you desaturate by 10%, it is **44.6181, 72.3534, 12.7595**.

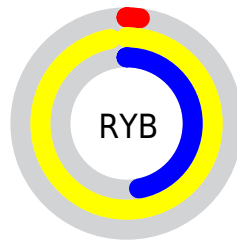
# Distribution



Red (51%)

Green (97%)

Blue (2%)



Red (2%)

Yellow (97%)

Blue (47%)

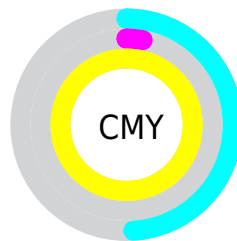


Cyan (47%)

Magenta (0%)

Yellow (98%)

Black (3%)



Cyan (49%)

Magenta (3%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4886, 71.2761, 11.6332 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 42.4886, 71.2761, 11.6332 by changing the saturation by 10% instead.





 42.4886, 71.2761,  
11.6332

 42.4886, 71.2761,  
11.6332


347.4617,  
465.0180, 212.8526

 29.6768, 52.5675,  
6.3749


 78.1991, 121.0268,  
29.4796

 19.7403, 37.4577,  
3.0019


 101.8286,  
152.8377, 42.9048


 12.3136, 25.5620,  
1.0956


 129.7946,  
189.7848, 59.8895

 7.0313, 16.4963,  
0.0000

 162.4627,  
232.2526, 80.8520

 3.5282, 9.8760,  
0.0000

 200.1980,  
280.6254, 106.2111

 1.4389, 5.3168,  
0.0000

 243.3661,

 0.2837, 2.4343,

335.2877, 136.3852

0.0000

292.3322,  
396.6238, 171.7929

■ 0.0000, 0.8435,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 42.4886, 71.2761,  
11.6332

■ 42.4886, 71.2761,  
11.6332

■ 42.1726, 71.1180,  
11.5044

■ 44.6181, 72.3534,  
12.7595

■ 47.2014, 73.6350,  
15.1466

■ 50.3023, 75.1495,  
19.0882

■ 53.9662, 76.9159,  
24.7920

■ 58.2326, 78.9506,  
32.4339

■ 63.1365, 81.2683,  
42.1683

■ 68.7097, 83.8823,  
54.1342

■ 74.9818, 86.8051,  
68.4586

■ 81.9802, 90.0483,  
85.2588

# Harmonies

## Analogous

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



61.6450, 71.2761, 5.5064



42.4886, 71.2761, 11.6332



32.3368, 71.2761, 35.9911

# Triad

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



42.4886, 71.2761, 11.6332



50.9867, 71.2761, 286.8856



127.4250, 71.2761, 60.9423

# Complementary

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



42.4886, 71.2761, 11.6332



24.7244, 10.8715, 88.7949

# 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.



122.5580, 71.2761, 142.9989



42.4886, 71.2761, 11.6332



74.2364, 71.2761, 309.6154

# Square

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



42.4886, 71.2761, 11.6332



36.3351, 71.2761, 195.2405



101.4341, 71.2761, 245.9147



113.4492, 71.2761, 20.3395



# Rectangle

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



42.4886, 71.2761, 11.6332



30.1846, 71.2761, 71.8167



101.4341, 71.2761, 245.9147



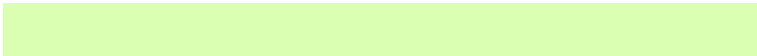
127.9883, 71.2761, 83.7016

# Sweetspot

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



42.4902, 71.2792, 11.6348



72.8075, 89.6846, 55.8567



44.7923, 32.6053, 4.0486



15.0342, 18.9386, 10.7662



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.



42.4902, 71.2792, 11.6348



45.3070, 76.4416, 12.3668



33.4379, 66.6125, 11.2111



17.1018, 18.8945, 17.5432



22.4678, 37.6954, 6.0918



2.0934, 3.3742, 0.5410



# Inverse Universe

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



24.7244, 10.8715, 88.7949



26.1899, 11.4163, 95.4309



52.3980, 25.1377, 90.0900



16.3406, 16.3182, 20.8311



13.0608, 5.7074, 46.9513

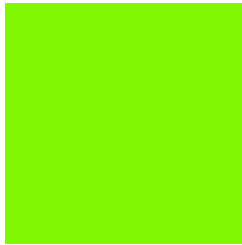


1.2660, 0.5625, 4.1321



# Previews

## White Background



This preview shows how the XYZ color 42.4886, 71.2761, 11.6332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

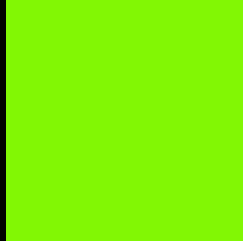
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4886, 71.2761, 11.6332 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 42.4886, 71.2761, 11.6332**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4886, 71.2761, 11.6332.



This preview shows how white text looks on a background with the XYZ color 42.4886, 71.2761,



# 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

42.4886, 71.2761, 11.6332

### Protanopia

63.3376, 70.2559, 10.2225

### Deuteranopia

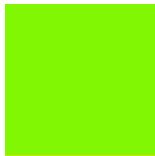
69.5683, 69.8621, 36.2037



## Tritanopia

59.9380, 70.9480, 99.3422

# Trichromacy



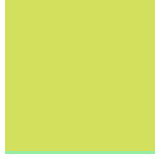
## Original Color

42.4886, 71.2761, 11.6332



## Protanomaly

52.9266, 68.8782, 10.5340



## Deuteranomaly

55.2098, 67.8033, 20.5334



## Tritanomaly

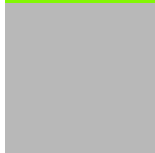
48.8311, 68.9781, 43.5413

# Monochromacy



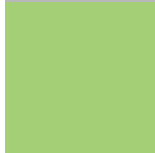
## Original Color

42.4886, 71.2761, 11.6332



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

40.9524, 53.8501, 25.6884

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4886, 71.2761, 11.6332 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(130, 247, 4)` looks like.

```
.text, #text, p{  
    color:rgb(130, 247, 4)  
}
```

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(130, 247, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 247, 4) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4886, 71.2761, 11.6332 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(130, 247, 4) }
```



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

```
.border{ border-color:rgb(130, 247, 4) }
```

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

Here you see how a box with a 4 pixel rgb(130, 247, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 247, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 247, 4);  
box-shadow:4px 4px 4px 4px rgb(130, 247,  
4) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4886, 71.2761, 11.6332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 247, 4) }
```

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

```
.background{ background-color: rgb(130,  
247, 4) }
```

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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