

# Converting Colors

XYZ(76.8134, 100.0000,  
29.2617)

Have a look what the booklet for  
XYZ(76.8134, 100.0000, 29.2617)  
contains.

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# Color

**XYZ(71.6926, 89.7373,  
27.4524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FF6B
RGB	232, 255, 107
RGB Percent	91%, 100%, 42%
CMY	0.0902, 0.0000, 0.5804
CMYK	0.09, 0.00, 0.58, 0.00
HSL	69°, 100%, 71%
HSV	69°, 58%, 100%
XYZ	71.6926, 89.7373, 27.4524
YIQ	231.2510, 33.8000, -50.9040

# Conversions

## Conversions Part 2

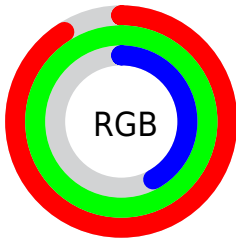
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">107, 255, 130</a>
Decimal	<a href="#">15269739</a>
CIELab	<a href="#">95.89, -27.13, 66.56</a>
CIELCh	<a href="#">96, 71.878, 112.176</a>
Yxy	<a href="#">89.7373, 0.3796, 0.4751</a>
Android (android.graphics.Color)	<a href="#">4293459819 (0xFFE8FF6B)</a>
YUV	<a href="#">231.2510, -61.2557, 0.6569</a>
Hunter-Lab	<a href="#">94.7298, -30.6862, 49.1288</a>

# Details

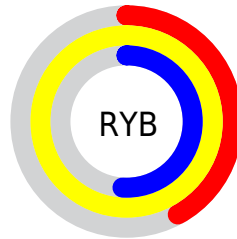
The XYZ color **71.6926, 89.7373, 27.4524** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **32.5148, 22.4825, 97.2336**, and the grayscale version is **76.5665, 80.5540, 87.7233**.

A 20% lighter version of the original color is **83.6109, 95.4243, 48.6623**, and **38.2254, 49.6171, 10.5800** is the 20% darker color. If you saturate the color by 10%, you get **69.2708, 88.6217, 21.3389**, and if you desaturate by 10%, it is **74.5392, 91.0263, 35.6525**.

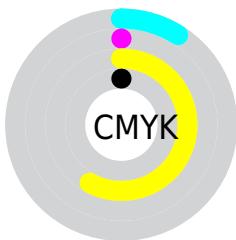
# Distribution



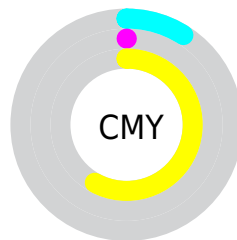
- Red (91%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (51%)



- Cyan (9%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6926, 89.7373, 27.4524 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 71.6926, 89.7373, 27.4524 by changing the saturation by 10% instead.




 71.6926, 89.7373,  
27.4524

 71.6926, 89.7373,  
27.4524


455.6452,  
527.1759, 303.6701


 53.1922, 67.7628,  
17.6778


 120.6326,  
146.9734, 56.6215


 38.1843, 49.7048,  
10.5519


 151.8028,  
183.0038, 76.8531

 26.3036, 35.1789,  
5.6560

 187.9270,  
224.4883, 101.4076

 17.1848, 23.8007,  
2.5717

 229.3706,  
271.8113, 130.7033

 10.4624, 15.1858,  
0.8778

276.4988,  
325.3572, 165.1589

 5.7712, 8.9499,  
0.0000

329.6771,

 2.7458, 4.7085,

385.5103, 205.1928

0.0000

389.2708,  
452.6551, 251.2237

■ 1.0208, 2.0773,  
0.0000

■ 0.0000, 0.6518,  
0.0000

■ 71.6926, 89.7373,  
27.4524

■ 71.6926, 89.7373,  
27.4524

■ 69.2708, 88.6217,  
21.3389

■ 74.5392, 91.0263,  
35.6525

■ 67.2373, 87.6647,  
17.1192

■ 77.8419, 92.5011,  
46.1016

■ 65.5496, 86.8493,  
14.5711

■ 81.6295, 94.1732,  
58.9505

■ 64.1500, 86.1524,  
13.3917

■ 85.9281, 96.0531,  
74.3358

■ 63.8931, 86.0232,  
13.2366

■ 90.7617, 98.1504,  
92.3838

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

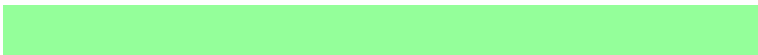
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5901, 89.7373, 24.5329



71.6926, 89.7373, 27.4524



58.5762, 89.7373, 44.8698

# Triad

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



71.6926, 89.7373, 27.4524



63.9785, 89.7373, 211.8628



128.9267, 89.7373, 113.3435

# Complementary

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



71.6926, 89.7373, 27.4524



32.5148, 22.4825, 97.2336

# 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.



119.1018, 89.7373, 181.1551



71.6926, 89.7373, 27.4524



80.2058, 89.7373, 250.7661

# Square

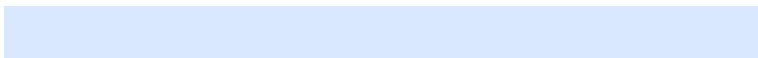
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6926, 89.7373, 27.4524



54.6273, 89.7373, 145.0034



100.5122, 89.7373, 237.7592



125.7060, 89.7373, 62.0097



# Rectangle

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



71.6926, 89.7373, 27.4524



53.8947, 89.7373, 67.9454



100.5122, 89.7373, 237.7592



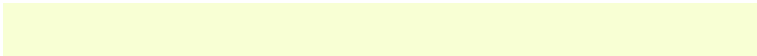
126.9931, 89.7373, 135.0976

# Sweetspot

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



71.6927, 89.7374, 27.4536



86.4042, 96.2604, 76.0822



51.7712, 38.0759, 18.5319



18.2978, 20.5182, 15.5664



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.



71.6927, 89.7374, 27.4536



68.8423, 88.4218, 20.3677



52.6731, 79.9324, 26.5635



19.2676, 20.9394, 19.1705



33.4899, 45.0027, 6.9213



3.3322, 4.4186, 0.6772



# Inverse Universe

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



32.5148, 22.4825, 97.2336



26.4060, 15.4155, 96.1915



47.9917, 30.4612, 97.9579



17.2658, 17.5132, 22.7203



9.9589, 4.0445, 49.6904

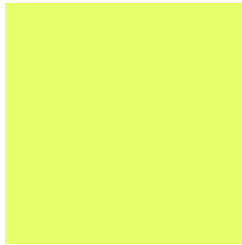


1.0423, 0.4313, 4.8416



# Previews

## White Background



This preview shows how the XYZ color 71.6926, 89.7373, 27.4524 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 71.6926, 89.7373, 27.4524 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 71.6926, 89.7373, 27.4524**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.6926, 89.7373, 27.4524.



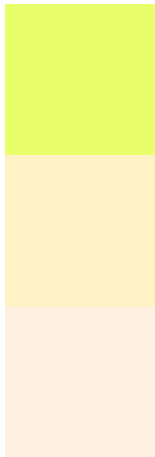
This preview shows how white text looks on a background with the XYZ color 71.6926, 89.7373,



# 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

71.6926, 89.7373, 27.4524

### Protanopia

83.3686, 89.3924, 65.6838

### Deuteranopia

86.2859, 89.6068, 83.9823



## Tritanopia

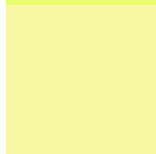
87.5679, 89.3143, 107.2318

# Trichromacy



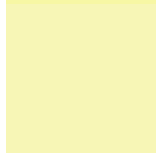
## Original Color

71.6926, 89.7373, 27.4524



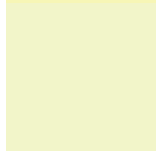
## Protanomaly

78.3194, 88.9760, 48.1682



## Deuteranomaly

79.7570, 89.0631, 57.2432



## Tritanomaly

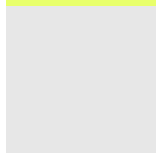
79.8130, 88.3991, 68.1145

# Monochromacy



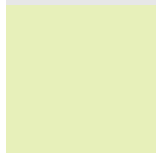
## Original Color

71.6926, 89.7373, 27.4524



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

72.9780, 82.8543, 58.6005

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.6926, 89.7373, 27.4524 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(232, 255, 107)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 107)  
}
```

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(232, 255, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 71.6926, 89.7373, 27.4524 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(232, 255, 107) }
```



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

```
.border{ border-color:rgb(232, 255, 107) }
```

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

Here you see how a box with a 4 pixel rgb(232, 255, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.6926, 89.7373, 27.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 107) }
```

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

```
.background{ background-color: rgb(232,  
255, 107) }
```

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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