

# Converting Colors

XYZ(76.9760, 92.4403, 44.7444)

Have a look what the booklet for  
XYZ(76.9760, 92.4403, 44.7444)  
contains.

**XYZ(76.6014, 91.8911, 44.7098) ..... 3**  
    ***Conversions* ..... 4**  
    ***Details* ..... 6**  
    ***Harmonies* ..... 12**  
    ***Previews* ..... 24**  
    ***Color Blindness Simulation* ..... 28**  
    ***CSS Examples* ..... 31**

# **Color**

**XYZ(76.6014, 91.8911,  
44.7098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFF9B
RGB	237, 255, 155
RGB Percent	93%, 100%, 61%
CMY	0.0706, 0.0000, 0.3921
CMYK	0.07, 0.00, 0.39, 0.00
HSL	71°, 100%, 80%
HSV	71°, 39%, 100%
XYZ	76.6014, 91.8911, 44.7098
YIQ	238.2180, 21.3720, -34.9160

# Conversions

## Conversions Part 2

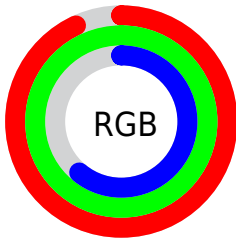
Format	Color
<a href="#">RYB</a>	<a href="#">155, 255, 173</a>
Decimal	<a href="#">15597467</a>
CIELab	<a href="#">96.78, -20.80, 45.79</a>
CIELCh	<a href="#">97, 50.289, 114.431</a>
Yxy	<a href="#">91.8911, 0.3593, 0.4310</a>
Android (android.graphics.Color)	<a href="#">4293787547 (0xFFEDFF9B)</a>
YUV	<a href="#">238.2180, -41.0265, -1.0682</a>
Hunter-Lab	<a href="#">95.8598, -25.1158, 39.4486</a>

# Details

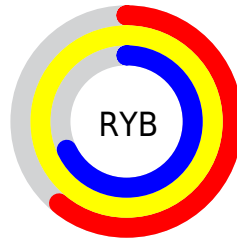
The XYZ color **76.6014, 91.8911, 44.7098** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.0061, 39.5483, 99.7638**, and the grayscale version is **81.7324, 85.9888, 93.6418**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **41.4147, 51.0508, 20.2414** is the 20% darker color. If you saturate the color by 10%, you get **73.1678, 90.3428, 34.5261**, and if you desaturate by 10%, it is **80.5269, 93.6406, 57.2793**.

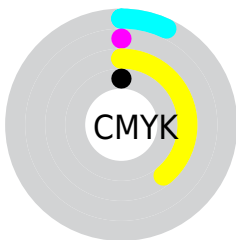
# Distribution



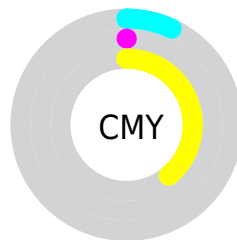
- Red (93%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (68%)



- Cyan (7%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6014, 91.8911, 44.7098 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 76.6014, 91.8911, 44.7098 by changing the saturation by 10% instead.





 76.6014, 91.8911,  
44.7098


 76.6014, 91.8911,  
44.7098


472.3167,  
534.1635, 381.7228

 57.2246, 69.5502,  
30.8876


 127.5525,  
149.9625, 83.5986

 41.4264, 51.1599,  
20.2555


 159.8575,  
186.4617, 109.5023

 28.8416, 36.3359,  
12.3950


197.2025,  
228.4491, 140.2702

 19.1047, 24.6937,  
6.8875

239.9531,  
276.3092, 176.3210

 11.8504, 15.8490,  
3.3145

288.4744,  
330.4263, 218.0731

 6.7134, 9.4174,  
1.2574

343.1319,

 3.3282, 5.0144,

391.1847, 265.9450

0.0265

404.2909,  
458.9690, 320.3554

■ 1.3296, 2.2557,  
0.0000

■ 0.2052, 0.7501,  
0.0000

■ 76.6014, 91.8911,  
44.7098

■ 76.6014, 91.8911,  
44.7098

■ 73.1678, 90.3428,  
34.5261

■ 80.5269, 93.6406,  
57.2793

■ 70.1965, 88.9840,  
26.5734

■ 84.9702, 95.6018,  
72.3690

■ 67.6554, 87.8017,  
20.6842

■ 89.9559, 97.7846,  
90.1074

■ 65.5076, 86.7812,  
16.6663

95.0500, 100.0000,  
108.9000

■ 63.7095, 85.9050,  
14.2912

■ 62.1955, 85.1467,  
13.2144

■ 62.0823, 85.0896,  
13.1519

# Harmonies

## Analogous

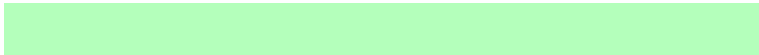
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9970, 91.8911, 40.9706



76.6014, 91.8911, 44.7098



67.0940, 91.8911, 61.3489

# Triad

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



76.6014, 91.8911, 44.7098



72.5017, 91.8911, 177.4172



117.1921, 91.8911, 107.7789

# Complementary

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



76.6014, 91.8911, 44.7098



47.0061, 39.5483, 99.7638

# 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.



111.2964, 91.8911, 152.3463



76.6014, 91.8911, 44.7098



84.7353, 91.8911, 198.9158

# Square

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



76.6014, 91.8911, 44.7098



64.9114, 91.8911, 135.7188



99.0375, 91.8911, 188.6857



114.4173, 91.8911, 71.2579

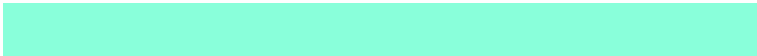


# Rectangle

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



76.6014, 91.8911, 44.7098



63.7432, 91.8911, 80.6298



99.0375, 91.8911, 188.6857



116.1408, 91.8911, 122.3708

# Sweetspot

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



76.6016, 91.8912, 44.7111



88.5113, 97.1538, 84.8933



61.8463, 53.0059, 37.9831



18.8033, 20.7329, 17.6629



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

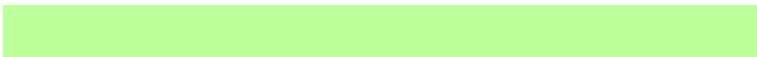
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6016, 91.8912, 44.7111



73.8873, 90.6690, 36.5837



62.4984, 84.6207, 44.0510



19.2216, 20.9157, 19.1684



32.5556, 44.5211, 6.8776



3.2497, 4.3760, 0.6734



# Inverse Universe

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



47.0061, 39.5483, 99.7638



40.5857, 31.7302, 98.5932



59.7943, 46.1408, 100.3623



17.3079, 17.5349, 22.7223



10.1053, 4.1200, 49.6972



1.0627, 0.4418, 4.8425



# Previews

## White Background



This preview shows how the XYZ color 76.6014, 91.8911, 44.7098 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 76.6014, 91.8911, 44.7098 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 76.6014, 91.8911, 44.7098**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6014, 91.8911, 44.7098.



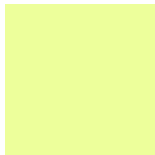
This preview shows how white text looks on a background with the XYZ color 76.6014, 91.8911,



# 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



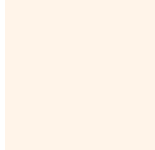
### Original Color

76.6014, 91.8911, 44.7098



### Protanopia

85.9026, 91.3689, 76.0592



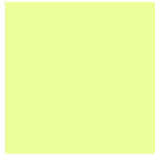
### Deuteranopia

88.2987, 91.8446, 90.1647

## **Tritanopia**

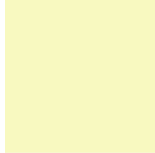
89.1121, 91.8778, 107.6452

# Trichromacy



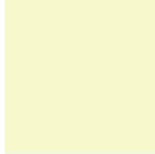
## Original Color

76.6014, 91.8911, 44.7098



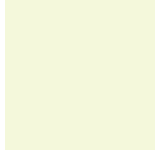
## Protanomaly

82.1015, 91.5136, 63.2059



## Deuteranomaly

83.2982, 91.4990, 71.0284



## Tritanomaly

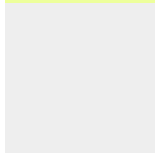
83.6618, 91.4824, 80.2662

# Monochromacy



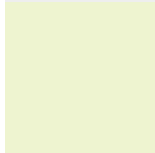
## Original Color

76.6014, 91.8911, 44.7098



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

78.9957, 87.4326, 72.3872

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6014, 91.8911, 44.7098 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(237, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 155)  
}
```

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(237, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6014, 91.8911, 44.7098 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(237, 255, 155) }
```



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

```
.border{ border-color:rgb(237, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6014, 91.8911, 44.7098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 155) }
```

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

```
.background{ background-color: rgb(237,  
255, 155) }
```

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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