

# Converting Colors

XYZ(74.4138, 90.7826, 43.7378)

Have a look what the booklet for  
XYZ(74.4138, 90.7826, 43.7378)  
contains.

<b>XYZ(74.4648, 90.8088, 43.7401)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.4648, 90.8088,  
43.7401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FF99
RGB	231, 255, 153
RGB Percent	91%, 100%, 60%
CMY	0.0941, 0.0000, 0.4000
CMYK	0.09, 0.00, 0.40, 0.00
HSL	74°, 100%, 80%
HSV	74°, 40%, 100%
XYZ	74.4648, 90.8088, 43.7401
YIQ	236.1960, 18.4380, -36.8100

# Conversions

## Conversions Part 2

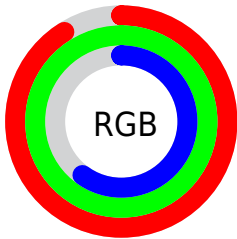
Format	Color
<a href="#">RYB</a>	<a href="#">153, 255, 177</a>
Decimal	<a href="#">15204249</a>
CIELab	<a href="#">96.33, -23.25, 46.10</a>
CIElCh	<a href="#">96, 51.634, 116.762</a>
Yxy	<a href="#">90.8088, 0.3563, 0.4345</a>
Android (android.graphics.Color)	<a href="#">4293394329 (0xFFE7FF99)</a>
YUV	<a href="#">236.1960, -41.0156, -4.5569</a>
Hunter-Lab	<a href="#">95.2937, -27.2796, 39.4913</a>

# Details

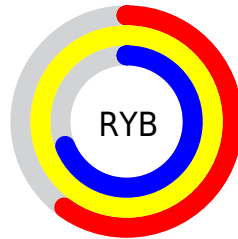
The XYZ color **74.4648, 90.8088, 43.7401** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.5737, 39.3508, 99.6958**, and the grayscale version is **80.1728, 84.3480, 91.8550**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **39.9499, 50.3069, 19.6612** is the 20% darker color. If you saturate the color by 10%, you get **70.6750, 89.0730, 33.7188**, and if you desaturate by 10%, it is **78.7717, 92.7592, 56.1373**.

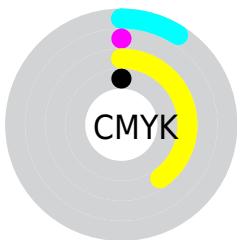
# Distribution



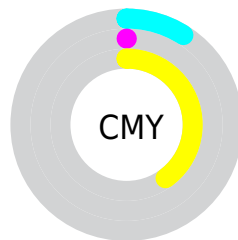
- Red (91%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (69%)



- Cyan (9%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4648, 90.8088, 43.7401 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 74.4648, 90.8088, 43.7401 by changing the saturation by 10% instead.





 74.4648, 90.8088,  
43.7401


 74.4648, 90.8088,  
43.7401


465.1016,  
530.6583, 377.6569

 55.4672, 68.6517,  
30.1305


 124.5464,  
148.4613, 82.1248

 40.0112, 50.4281,  
19.6848


 156.3612,  
184.7255, 107.7371

 27.7315, 35.7536,  
11.9843


193.1790,  
226.4609, 138.1873

 18.2628, 24.2440,  
6.6106

235.3652,  
274.0517, 173.8940

 11.2397, 15.5147,  
3.1451

283.2852,  
327.8825, 215.2758

 6.2967, 9.1814,  
1.1692

337.3044,

 3.0687, 4.8597,

388.3376, 262.7512

0.0000

397.7881,  
455.8014, 316.7387

■ 1.1902, 2.1652,  
0.0000

■ 0.0986, 0.7009,  
0.0000

■ 74.4648, 90.8088,  
43.7401

■ 74.4648, 90.8088,  
43.7401

■ 70.6750, 89.0730,  
33.7188

■ 78.7717, 92.7592,  
56.1373

■ 67.3719, 87.5395,  
25.9170

■ 83.6217, 94.9345,  
71.0454

■ 64.5227, 86.1950,  
20.1661

■ 89.0403, 97.3451,  
88.5939

■ 62.0897, 85.0244,  
16.2712

95.0500, 100.0000,  
108.9000

■ 60.0283, 84.0099,  
14.0001

■ 58.2656, 83.1221,  
12.9733

■ 58.2655, 83.1220,  
12.9732

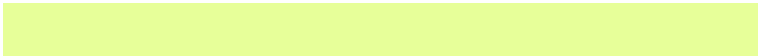
# Harmonies

## Analogous

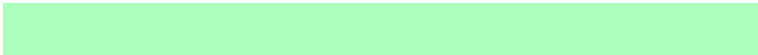
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8799, 90.8088, 39.0720



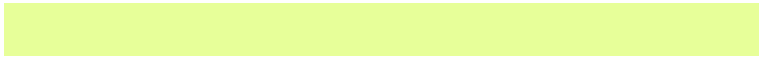
74.4648, 90.8088, 43.7401



65.2144, 90.8088, 61.5556

# Triad

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



74.4648, 90.8088, 43.7401



72.0436, 90.8088, 180.8641



116.9191, 90.8088, 103.4092

# Complementary

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



74.4648, 90.8088, 43.7401



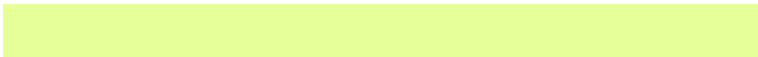
47.5737, 39.3508, 99.6958

# 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.



111.5276, 90.8088, 148.8629



74.4648, 90.8088, 43.7401



84.7609, 90.8088, 200.7101

# Square

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



74.4648, 90.8088, 43.7401



63.9292, 90.8088, 138.9305



99.3514, 90.8088, 187.6268



113.3880, 90.8088, 67.3698

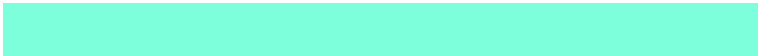


# Rectangle

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



74.4648, 90.8088, 43.7401



62.1257, 90.8088, 81.8496



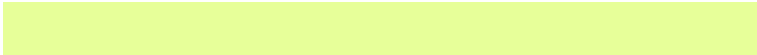
99.3514, 90.8088, 187.6268



116.0768, 90.8088, 118.1121

# Sweetspot

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



74.4651, 90.8090, 43.7414



87.9094, 96.8435, 84.8651



62.6731, 54.9262, 37.4368



18.6609, 20.6595, 17.6563



0.0000, 0.0000, 0.0000

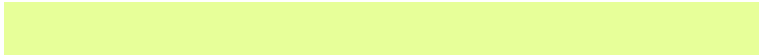


20.3446, 21.4041, 23.3091

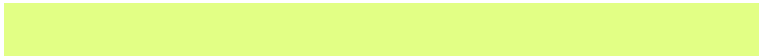


# Same Dimension

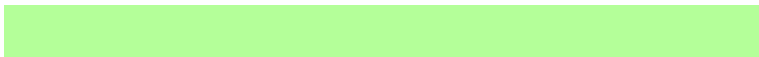
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4651, 90.8090, 43.7414



71.3927, 89.4035, 35.5395



60.3795, 83.5476, 43.0822



19.1189, 20.8627, 19.1636



30.5838, 43.5046, 6.7853



3.0739, 4.2854, 0.6652



# Inverse Universe

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



47.5737, 39.3508, 99.6958



41.1616, 31.5045, 98.5193



61.3734, 46.4648, 100.3416



17.4030, 17.5840, 22.7268



10.5137, 4.3305, 49.7163

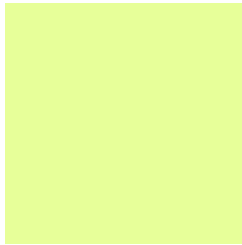


1.1153, 0.4689, 4.8450



# Previews

## White Background



This preview shows how the XYZ color 74.4648, 90.8088, 43.7401 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 74.4648, 90.8088, 43.7401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

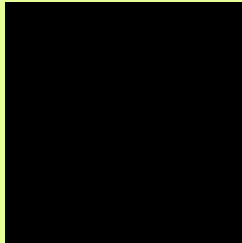
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

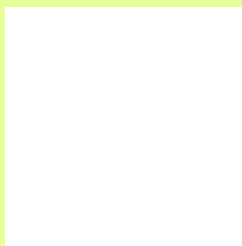
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.4648, 90.8088, 43.7401**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.4648, 90.8088, 43.7401.



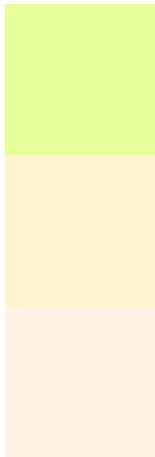
This preview shows how white text looks on a background with the XYZ color 74.4648, 90.8088,



# 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

74.4648, 90.8088, 43.7401

### Protanopia

84.7313, 90.4176, 71.3790

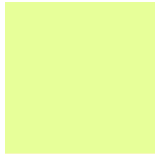
### Deuteranopia

87.2751, 90.4774, 87.7269

## Tritanopia

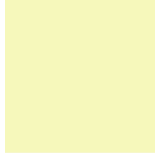
87.4088, 90.5543, 107.4795

# Trichromacy



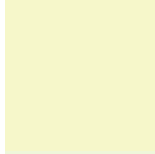
## Original Color

74.4648, 90.8088, 43.7401



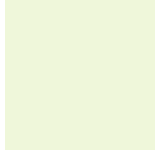
## Protanomaly

80.5431, 90.3155, 60.2013



## Deuteranomaly

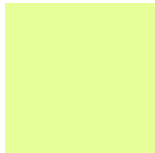
81.9275, 90.3786, 69.0039



## Tritanomaly

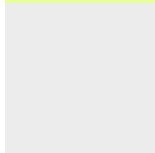
81.5123, 89.9342, 79.3925

# Monochromacy



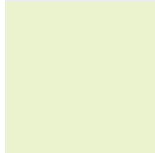
## Original Color

74.4648, 90.8088, 43.7401



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.1229, 86.0498, 70.9370

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4648, 90.8088, 43.7401 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(231, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 153)  
}
```

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(231, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4648, 90.8088, 43.7401 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(231, 255, 153) }
```



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

```
.border{ border-color:rgb(231, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4648, 90.8088, 43.7401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 153) }
```

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

```
.background{ background-color: rgb(231,  
255, 153) }
```

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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