

# Converting Colors

XYZ(74.9241, 82.6577, 41.3061)

Have a look what the booklet for  
XYZ(74.9241, 82.6577, 41.3061)  
contains.

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# Color

**XYZ(74.6483, 82.3650,  
41.2418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9EC97
RGB	249, 236, 151
RGB Percent	98%, 93%, 59%
CMY	0.0235, 0.0745, 0.4078
CMYK	0.00, 0.05, 0.39, 0.02
HSL	52°, 89%, 78%
HSV	52°, 39%, 98%
XYZ	74.6483, 82.3650, 41.2418
YIQ	230.1970, 35.0330, -23.6790

# Conversions

## Conversions Part 2

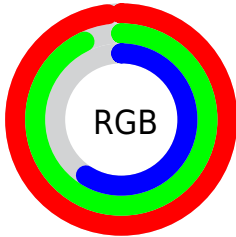
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	166, 249, 151
Decimal	16379031
CIE Lab	92.74, -7.37, 42.77
CIE LCh	93, 43.400, 99.782
Yxy	82.3650, 0.3765, 0.4154
Android (android.graphics.Color)	4294569111 (0xFFF9EC97)
YUV	230.1970, -39.0441, 16.4902
Hunter-Lab	90.7552, -12.0010, 36.5855

# Details

The XYZ color **74.6483, 82.3650, 41.2418** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.1366, 39.9686, 95.0637**, and the grayscale version is **75.6234, 79.5617, 86.6427**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **40.0592, 44.6197, 18.3055** is the 20% darker color. If you saturate the color by 10%, you get **71.8949, 79.7596, 31.3793**, and if you desaturate by 10%, it is **77.8505, 85.1839, 53.3627**.

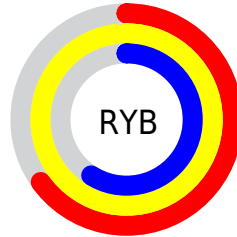
# Distribution



Red (98%)

Green (93%)

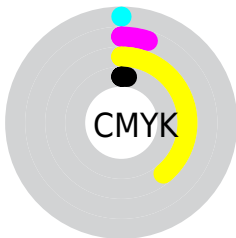
Blue (59%)



Red (65%)

Yellow (98%)

Blue (59%)

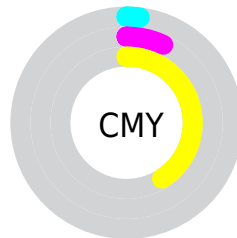


Cyan (0%)

Magenta (5%)

Yellow (39%)

Black (2%)



Cyan (2%)

Magenta (7%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6483, 82.3650, 41.2418 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 74.6483, 82.3650, 41.2418 by changing the saturation by 10% instead.




 74.6483, 82.3650,  
41.2418


 74.6483, 82.3650,  
41.2418


465.7237,  
502.8678, 367.0367

 55.6180, 61.6664,  
28.1869

 124.8050,  
136.6857, 78.3085

 40.1325, 44.7632,  
18.2264


 156.6620,  
171.0767, 103.1574

 27.8265, 31.2710,  
10.9415

193.5253,  
210.8006, 132.7747

 18.3347, 20.8053,  
5.9138

235.7603,  
256.2418, 167.5790

 11.2917, 12.9817,  
2.7248

283.7323,  
307.7848, 207.9888

 6.3321, 7.4160,  
0.9559

337.8066,

 3.0906, 3.7236,

365.8138, 254.4227

0.0000

398.3486,  
430.7133, 307.2991

■ 1.2019, 1.5202,  
0.0000

■ 0.1079, 0.3029,  
0.0000

■ 74.6483, 82.3650,  
41.2418

■ 74.6483, 82.3650,  
41.2418

■ 71.8949, 79.7596,  
31.3793

■ 77.8505, 85.1839,  
53.3627

■ 69.5569, 77.3454,  
23.6271

■ 81.5201, 88.2152,  
67.8673

■ 67.6060, 75.1139,  
17.8280

■ 85.6823, 91.4718,  
84.8776

■ 66.0077, 73.0510,  
13.8000

■ 90.3583, 94.9625,  
104.5058

■ 64.7209, 71.1403,  
11.3273

■ 92.0890, 97.3038,  
108.5356

■ 63.6822, 69.3562,  
10.0767

■ 92.8769, 98.8797,  
108.7983

■ 63.6189, 69.2437,  
10.0123

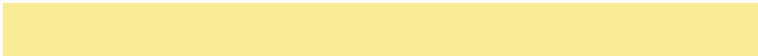
# Harmonies

## Analogous

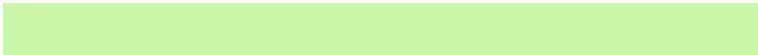
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0441, 82.3650, 43.0133



74.6483, 82.3650, 41.2418



65.1782, 82.3650, 49.8286

# Triad

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



74.6483, 82.3650, 41.2418



62.7342, 82.3650, 135.7290



100.5173, 82.3650, 112.9733

# Complementary

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



74.6483, 82.3650, 41.2418



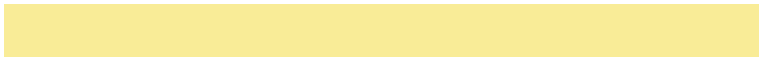
43.1366, 39.9686, 95.0637

# 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.



93.0417, 82.3650, 146.5639



74.6483, 82.3650, 41.2418



71.0079, 82.3650, 161.7418

# Square

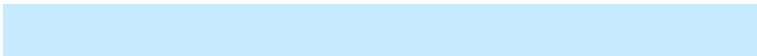
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6483, 82.3650, 41.2418



58.7506, 82.3650, 100.6853



82.0389, 82.3650, 166.1247



101.7315, 82.3650, 79.5101

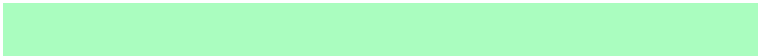


# Rectangle

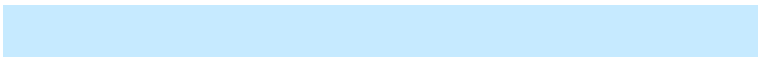
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.6483, 82.3650, 41.2418



60.9568, 82.3650, 61.8459



82.0389, 82.3650, 166.1247



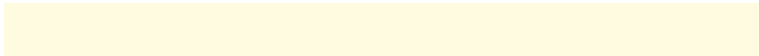
98.6214, 82.3650, 124.8211

# Sweetspot

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



74.6503, 82.3688, 41.2435



89.2282, 95.6221, 84.5599



56.8410, 44.9566, 40.8362



18.9730, 20.3697, 17.5839



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.



74.6503, 82.3688, 41.2435



76.5222, 84.8103, 35.3140



66.9220, 84.1420, 41.9931



18.5196, 19.7750, 18.3033



34.1302, 37.2170, 5.3848



3.2138, 3.5525, 0.5163



# Inverse Universe

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



43.1366, 39.9686, 95.0637



39.1390, 34.5298, 99.2098



48.6435, 39.5302, 94.6888



16.4685, 17.0139, 21.8013



9.5008, 4.3572, 48.3138

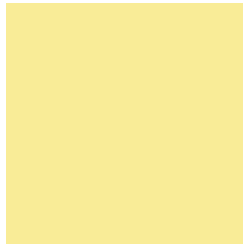


0.9358, 0.5152, 4.4933



# Previews

## White Background



This preview shows how the XYZ color 74.6483, 82.3650, 41.2418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

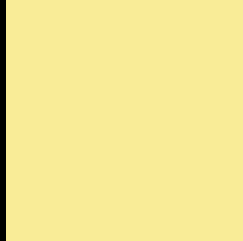
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.6483, 82.3650, 41.2418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

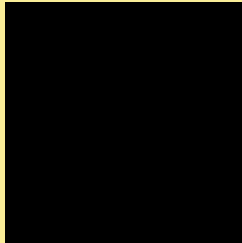
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.6483, 82.3650, 41.2418**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6483, 82.3650, 41.2418.



This preview shows how white text looks on a background with the XYZ color 74.6483, 82.3650,



# 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

74.6483, 82.3650, 41.2418

### Protanopia

76.1678, 82.3076, 40.7267

### Deuteranopia

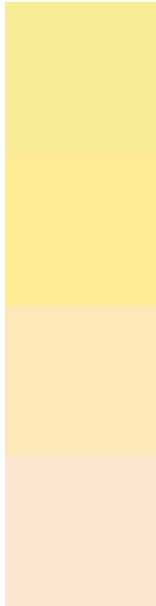
80.5563, 82.2614, 69.3899



## Tritanopia

84.3135, 82.0036, 94.6036

# Trichromacy



## Original Color

74.6483, 82.3650, 41.2418

## Protanomaly

75.7214, 82.5013, 40.7876

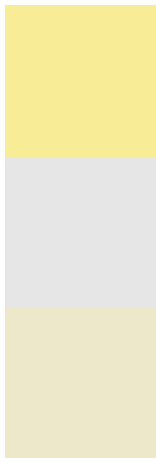
## Deuteranomaly

78.1216, 82.0987, 57.6281

## Tritanomaly

80.1900, 82.0303, 71.2815

# Monochromacy



## Original Color

74.6483, 82.3650, 41.2418

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.3243, 79.9348, 66.7700

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.6483, 82.3650, 41.2418 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(249, 236, 151)` looks like.

```
.text, #text, p{  
    color:rgb(249, 236, 151)  
}
```

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(249, 236, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 236, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6483, 82.3650, 41.2418 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(249, 236, 151) }
```



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

```
.border{ border-color:rgb(249, 236, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 236, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 236, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 236, 151);  
box-shadow:4px 4px 4px 4px rgb(249, 236,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6483, 82.3650, 41.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 236, 151) }
```

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

```
.background{ background-color: rgb(249,  
236, 151) }
```

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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