

# Converting Colors

XYZ(77.6809, 85.1565, 41.7777)

Have a look what the booklet for  
XYZ(77.6809, 85.1565, 41.7777)  
contains.

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# Color

**XYZ(77.6924, 85.2274,  
41.6339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEF97
RGB	255, 239, 151
RGB Percent	100%, 94%, 59%
CMY	0.0000, 0.0627, 0.4078
CMYK	0.00, 0.06, 0.41, 0.00
HSL	51°, 100%, 80%
HSV	51°, 41%, 100%
XYZ	77.6924, 85.2274, 41.6339
YIQ	233.7520, 37.7840, -23.9760

# Conversions

## Conversions Part 2

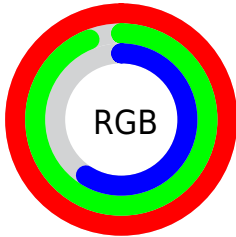
Format	Color
R <sub>Y</sub> B	170, 255, 151
Decimal	16773015
CIE Lab	93.98, -6.55, 44.46
CIE LCh	94, 44.939, 98.386
Yxy	85.2274, 0.3798, 0.4167
Android (android.graphics.Color)	4294963095 (0xFFFEF97)
YUV	233.7520, -40.7967, 18.6345
Hunter-Lab	92.3187, -11.3379, 37.8845

# Details

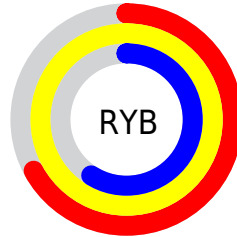
The XYZ color **77.6924, 85.2274, 41.6339** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.6309, 41.4354, 100.2531**, and the grayscale version is **78.2998, 82.3775, 89.7091**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **42.1640, 46.6191, 18.3314** is the 20% darker color. If you saturate the color by 10%, you get **74.7065, 82.2190, 31.5032**, and if you desaturate by 10%, it is **81.1553, 88.4727, 54.1351**.

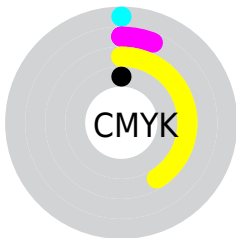
# Distribution



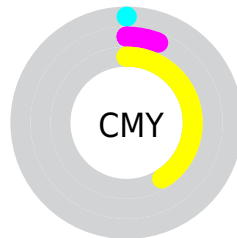
- Red (100%)
- Green (94%)
- Blue (59%)



- Red (67%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (6%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6924, 85.2274, 41.6339 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 77.6924, 85.2274, 41.6339 by changing the saturation by 10% instead.




 77.6924, 85.2274,  
41.6339


 77.6924, 85.2274,  
41.6339


475.9774,  
512.3802, 368.7179

 58.1232, 64.0293,  
28.4913


 129.0841,  
140.6908, 78.9093

 42.1514, 46.6744,  
18.4541


 161.6373,  
175.7250, 103.8793

 29.4115, 32.7783,  
11.1037


199.2492,  
216.1399, 133.6287

 19.5382, 21.9567,  
6.0216

242.2853,  
262.3200, 168.5763

 12.1661, 13.8251,  
2.7892

291.1107,  
314.6497, 209.1404

 6.9299, 7.9991,  
0.9880

346.0910,

 3.4642, 4.0944,

373.5134, 255.7397

0.0000

407.5914,  
439.2954, 308.7927

■ 1.4037, 1.7265,  
0.0000

■ 0.2589, 0.4407,  
0.0000

■ 77.6924, 85.2274,  
41.6339

■ 77.6924, 85.2274,  
41.6339

■ 74.7065, 82.2190,  
31.5032

■ 81.1553, 88.4727,  
54.1351

■ 72.1621, 79.4236,  
23.5842

■ 85.1157, 91.9540,  
69.1416

■ 70.0283, 76.8319,  
17.7069

■ 89.6003, 95.6853,  
86.7840

■ 68.2678, 74.4286,  
13.6741

■ 94.6320, 99.6760,  
107.1824

■ 66.8355, 72.1955, 95.0499, 100.0000,  
11.2498 108.9000

■ 65.7407, 70.2616,  
10.0969

# Harmonies

## Analogous

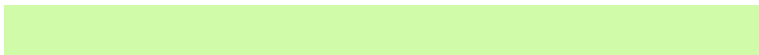
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7916, 85.2274, 43.9819



77.6924, 85.2274, 41.6339



67.5264, 85.2274, 50.0945

# Triad

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



77.6924, 85.2274, 41.6339



64.2570, 85.2274, 140.0923



104.3666, 85.2274, 119.2838

# Complementary

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



77.6924, 85.2274, 41.6339



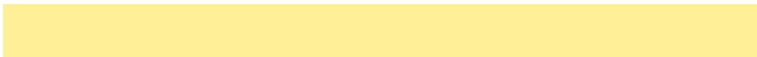
44.6309, 41.4354, 100.2531

# 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.



96.1700, 85.2274, 154.7156



77.6924, 85.2274, 41.6339



72.8132, 85.2274, 168.6435

# Square

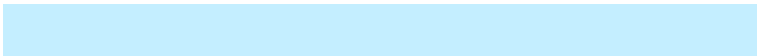
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6924, 85.2274, 41.6339



60.2857, 85.2274, 102.7572



84.4127, 85.2274, 174.5693



106.0013, 85.2274, 83.5043

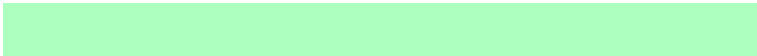


# Rectangle

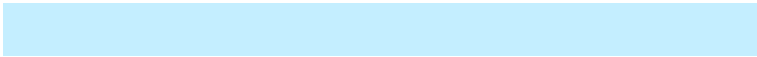
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6924, 85.2274, 41.6339



62.9286, 85.2274, 62.3321



84.4127, 85.2274, 174.5693



102.2511, 85.2274, 131.8570

# Sweetspot

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



77.6945, 85.2313, 41.6357



89.0260, 95.2178, 84.4925



59.4061, 46.2337, 43.0028



18.9251, 20.2740, 17.5679



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

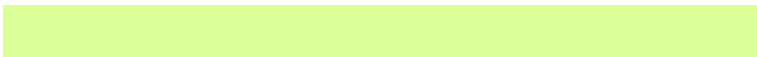
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6945, 85.2313, 41.6357



75.2061, 82.7401, 33.1433



70.9625, 89.0221, 42.7222



19.3093, 20.5867, 19.1003



34.4408, 36.8927, 5.3058



3.4148, 3.7150, 0.5371



# Inverse Universe

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



44.6309, 41.4354, 100.2531



38.0531, 33.5487, 99.0777



49.2862, 39.7517, 99.6827



17.2285, 17.8286, 22.7832



9.8810, 4.6716, 49.8155



1.0247, 0.5801, 4.8712



# Previews

## White Background



This preview shows how the XYZ color 77.6924, 85.2274, 41.6339 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 77.6924, 85.2274, 41.6339 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 77.6924, 85.2274, 41.6339**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6924, 85.2274, 41.6339.



This preview shows how white text looks on a background with the XYZ color 77.6924, 85.2274,



# 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

77.6924, 85.2274, 41.6339

### Protanopia

79.2609, 85.3876, 51.3337

### Deuteranopia

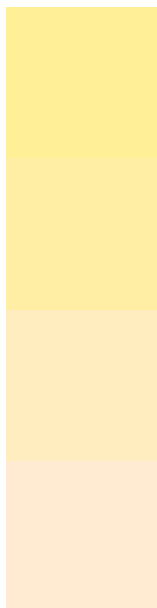
82.8004, 84.9607, 75.6533



## Tritanopia

86.1236, 85.3840, 95.9460

# Trichromacy



## Original Color

77.6924, 85.2274, 41.6339

## Protanomaly

78.5154, 85.0894, 47.4077

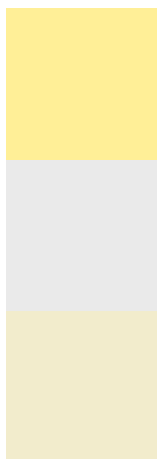
## Deuteranomaly

80.6394, 85.0125, 61.4491

## Tritanomaly

82.4570, 85.2801, 72.4364

# Monochromacy



## Original Color

77.6924, 85.2274, 41.6339

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.5125, 83.2278, 69.1060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6924, 85.2274, 41.6339 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(255, 239, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 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(255, 239, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6924, 85.2274, 41.6339 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(255, 239, 151) }
```



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

```
.border{ border-color:rgb(255, 239, 151) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6924, 85.2274, 41.6339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 151) }
```

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

```
.background{ background-color: rgb(255,  
239, 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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