

# Converting Colors

XYZ(79.0172, 87.6183, 66.6244)

Have a look what the booklet for  
XYZ(79.0172, 87.6183, 66.6244)  
contains.

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# Color

**XYZ(78.9351, 87.5257,  
66.7666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F4C7
RGB	241, 244, 199
RGB Percent	95%, 96%, 78%
CMY	0.0549, 0.0431, 0.2196
CMYK	0.01, 0.00, 0.18, 0.04
HSL	64°, 67%, 87%
HSV	64°, 18%, 96%
XYZ	78.9351, 87.5257, 66.7666
YIQ	237.9730, 12.6570, -14.6310

# Conversions

## Conversions Part 2

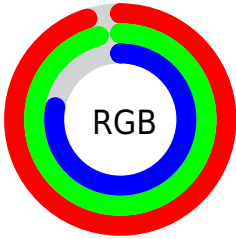
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 244, 202
Decimal	15856839
CIE <sub>Lab</sub>	94.96, -8.30, 21.40
CIE <sub>LCh</sub>	95, 22.950, 111.197
Yxy	87.5257, 0.3384, 0.3753
Android (android.graphics.Color)	4294046919 (0xFFFF1F4C7)
YUV	237.9730, -19.2137, 2.6547
Hunter-Lab	93.5552, -13.1161, 23.1757

# Details

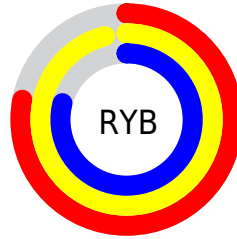
The XYZ color **78.9351, 87.5257, 66.7666** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.1131, 59.9374, 93.9409**, and the grayscale version is **81.3863, 85.6247, 93.2453**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1016, 48.3251, 33.8440** is the 20% darker color. If you saturate the color by 10%, you get **75.7733, 86.2000, 52.9970**, and if you desaturate by 10%, it is **82.5608, 89.0435, 82.9326**.

# Distribution



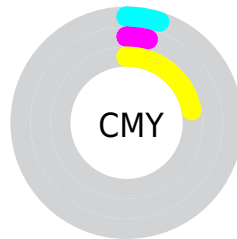
- Red (95%)
- Green (96%)
- Blue (78%)



- Red (78%)
- Yellow (96%)
- Blue (79%)



- Cyan (1%)
- Magenta (0%)
- Yellow (18%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9351, 87.5257, 66.7666 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 78.9351, 87.5257, 66.7666 by changing the saturation by 10% instead.



78.9351, 87.5257,  
66.7666

78.9351, 87.5257,  
66.7666

480.1281,  
519.9488, 467.5924

59.1479, 65.9303,  
48.4346

130.8259,  
143.8967, 116.2234

42.9790, 48.2159,  
33.8087

163.6602,  
179.4410, 148.1852

30.0631, 33.9979,  
22.4705

201.5743,  
220.4039, 185.5274

20.0348, 22.8920,  
14.0014

244.9334,  
267.1696, 228.6684

12.5288, 14.5137,  
7.9829

294.1030,  
320.1225, 278.0269

7.1796, 8.4788,  
3.9964

349.4484,

3.6220, 4.4028,

379.6471, 334.0214

1.6234

411.3350,  
446.1277, 397.0704

■ 1.4906, 1.9014,  
0.3074

■ 0.3194, 0.5492,  
0.0000

■ 78.9351, 87.5257,  
66.7666

■ 78.9351, 87.5257,  
66.7666

■ 75.7733, 86.2000,  
52.9970

■ 82.5608, 89.0435,  
82.9326

■ 73.0469, 85.0460,  
41.5045


■ 86.6637, 90.7498,  
101.5957


■ 70.7348, 84.0583,  
32.1679


■ 88.3698, 91.4979,  
107.6110


■ 68.8114, 83.2267,  
24.8524


■ 88.9436, 91.7937,  
107.6379


 67.2483, 82.5398,  
19.4084


 89.5224, 92.0921,  
107.6650


 66.0130, 81.9845,  
15.6653

 90.1063, 92.3931,  
107.6923


 65.0674, 81.5457,  
13.4215

 90.6952, 92.6967,  
107.7198

 64.3569, 81.2015,  
12.3905

 91.2892, 93.0029,  
107.7476

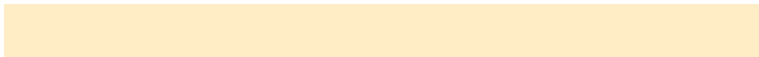
 64.2557, 81.1518,  
12.2772

 91.6425, 93.1851,  
107.7642

# Harmonies

## Analogous

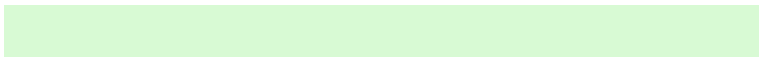
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0368, 87.5257, 65.2662



78.9351, 87.5257, 66.7666



74.2024, 87.5257, 75.3833

# Triad

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



78.9351, 87.5257, 66.7666



75.9094, 87.5257, 124.6056



95.5953, 87.5257, 100.6464

# Complementary

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



78.9351, 87.5257, 66.7666



61.1131, 59.9374, 93.9409

# Split Complementary

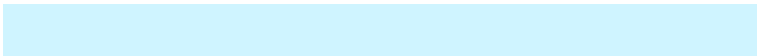
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.8767, 87.5257, 118.4492



78.9351, 87.5257, 66.7666



81.3712, 87.5257, 133.3712

# Square

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



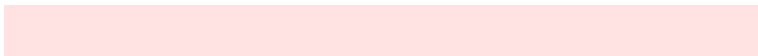
78.9351, 87.5257, 66.7666



72.5171, 87.5257, 108.2475



87.5963, 87.5257, 130.9877



94.8631, 87.5257, 83.4295

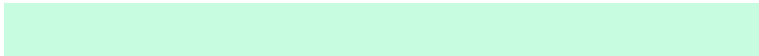


# Rectangle

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



78.9351, 87.5257, 66.7666



72.3611, 87.5257, 84.6679



87.5963, 87.5257, 130.9877



95.0500, 87.5257, 106.7882

# Sweetspot

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



78.9374, 87.5296, 66.7685



92.3087, 98.8602, 96.4213



68.7404, 65.5999, 63.0731



19.6965, 21.1346, 20.3605



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

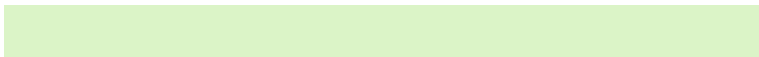
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9374, 87.5296, 66.7685



85.9322, 96.1952, 68.0104



71.7259, 83.8119, 66.4310



17.7990, 19.2539, 17.5758



34.9834, 44.1474, 6.6775



3.1070, 3.8968, 0.5884



# Inverse Universe

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



61.1131, 59.9374, 93.9409



62.9829, 60.6678, 102.9982



67.6510, 63.3078, 94.2469



15.6836, 15.9795, 20.8003



9.0366, 3.6329, 46.7630

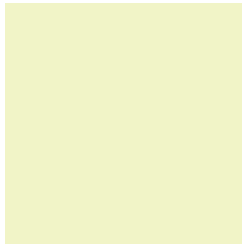


0.8294, 0.3374, 4.1117



# Previews

## White Background



This preview shows how the XYZ color 78.9351, 87.5257, 66.7666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

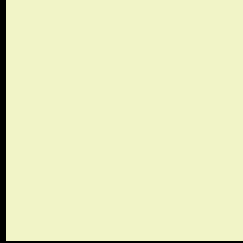
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9351, 87.5257, 66.7666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

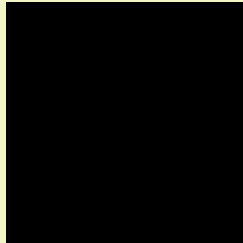
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

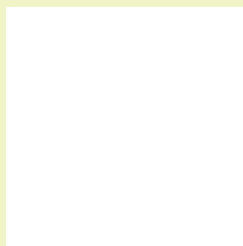
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.9351, 87.5257, 66.7666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.9351, 87.5257, 66.7666.



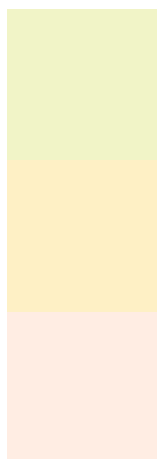
This preview shows how white text looks on a background with the XYZ color 78.9351, 87.5257,



# 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

78.9351, 87.5257, 66.7666

### Protanopia

82.1112, 87.4222, 65.3698

### Deuteranopia

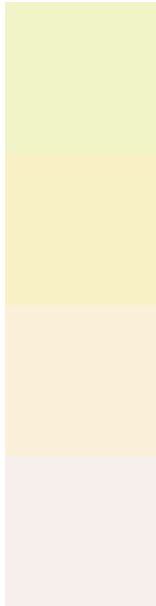
85.3893, 87.3744, 85.0375



## Tritanopia

87.1124, 87.3506, 106.8768

# Trichromacy



## Original Color

78.9351, 87.5257, 66.7666

## Protanomaly

80.7153, 87.1275, 65.9892

## Deuteranomaly

83.1088, 87.6539, 78.1842

## Tritanomaly

83.8679, 87.3240, 91.0322

# Monochromacy



## Original Color

78.9351, 87.5257, 66.7666

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.2112, 86.0527, 82.9033

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9351, 87.5257, 66.7666 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(241, 244, 199)` looks like.

```
.text, #text, p{  
    color:rgb(241, 244, 199)  
}
```

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(241, 244, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 244, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9351, 87.5257, 66.7666 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(241, 244, 199) }
```



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

```
.border{ border-color:rgb(241, 244, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 244, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 244, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 244, 199);  
box-shadow:4px 4px 4px 4px rgb(241, 244,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9351, 87.5257, 66.7666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 244, 199) }
```

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

```
.background{ background-color: rgb(241,  
244, 199) }
```

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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