

# Converting Colors

XYZ(103.8126, 100.0000,  
45.3775)

Have a look what the booklet for  
XYZ(103.8126, 100.0000, 45.3775)  
contains.

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# Color

**XYZ(78.9929, 87.1646,  
44.1136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF29C
RGB	255, 242, 156
RGB Percent	100%, 95%, 61%
CMY	0.0000, 0.0510, 0.3882
CMYK	0.00, 0.05, 0.39, 0.00
HSL	52°, 100%, 81%
HSV	52°, 39%, 100%
XYZ	78.9929, 87.1646, 44.1136
YIQ	236.0830, 35.3540, -23.9900

# Conversions

## Conversions Part 2

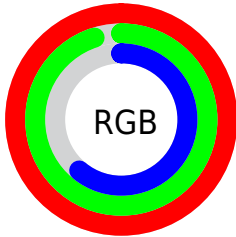
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 255, 156
Decimal	16773788
CIE Lab	94.81, -7.52, 43.06
CIE LCh	95, 43.710, 99.913
Yxy	87.1646, 0.3757, 0.4145
Android (android.graphics.Color)	4294963868 (0xFFFFF29C)
YUV	236.0830, -39.4809, 16.5902
Hunter-Lab	93.3620, -12.3559, 37.3388

# Details

The XYZ color **78.9929, 87.1646, 44.1136** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.9480, 42.6626, 100.4207**, and the grayscale version is **80.0682, 84.2380, 91.7352**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **43.0330, 47.9674, 19.8225** is the 20% darker color. If you saturate the color by 10%, you get **76.0701, 84.4192, 33.5816**, and if you desaturate by 10%, it is **82.3916, 90.1358, 57.0424**.

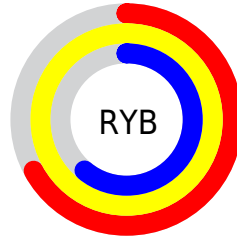
# Distribution



Red (100%)

Green (95%)

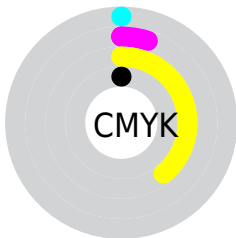
Blue (61%)



Red (67%)

Yellow (100%)

Blue (61%)

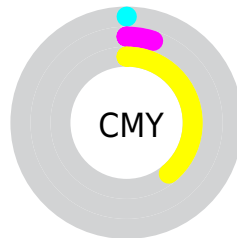


Cyan (0%)

Magenta (5%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9929, 87.1646, 44.1136 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 78.9929, 87.1646, 44.1136 by changing the saturation by 10% instead.




 78.9929, 87.1646,  
44.1136


 78.9929, 87.1646,  
44.1136


480.3207,  
518.7636, 379.2266

 59.1956, 65.6314,  
30.4220


 130.9068,  
143.3935, 82.6930

 43.0176, 47.9733,  
19.9043


 163.7542,  
178.8581, 108.4178

 30.0935, 33.8057,  
12.1421


201.6822,  
219.7353, 138.9907

 20.0580, 22.7444,  
6.7168

245.0564,  
266.4094, 174.8304

 12.5457, 14.4049,  
3.2099

294.2419,  
319.2649, 216.3552

 7.1913, 8.4028,  
1.2028

349.6043,

 3.6294, 4.3538,

378.6862, 263.9838

0.0000

411.5087,  
445.0576, 318.1348

■ 1.4947, 1.8734,  
0.0000

■ 0.3222, 0.5323,  
0.0000

■ 78.9929, 87.1646,  
44.1136

■ 78.9929, 87.1646,  
44.1136

■ 76.0701, 84.4192,  
33.5816

■ 82.3916, 90.1358,  
57.0424

■ 73.5879, 81.8760,  
25.2905

■ 86.2859, 93.3314,  
72.5002

■ 71.5167, 79.5260,  
19.0742

■ 90.7022, 96.7652,  
90.6158

■ 69.8200, 77.3545,  
14.7414

95.0500, 100.0000,  
108.9000

■ 68.4546, 75.3441,  
12.0653

■ 67.3579, 73.4696,  
10.7171

■ 67.2370, 73.2540,  
10.5957

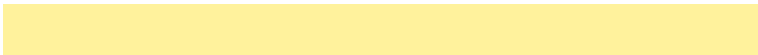
# Harmonies

## Analogous

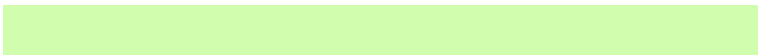
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9074, 87.1646, 45.9320



78.9929, 87.1646, 44.1136



69.0932, 87.1646, 53.1975

# Triad

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



78.9929, 87.1646, 44.1136



66.5969, 87.1646, 143.1404



106.0983, 87.1646, 119.0842

# Complementary

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



78.9929, 87.1646, 44.1136



45.9480, 42.6626, 100.4207

# 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.



98.3154, 87.1646, 154.1539



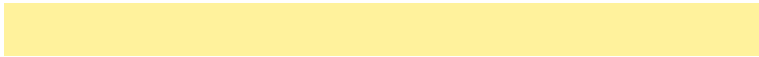
78.9929, 87.1646, 44.1136



75.2784, 87.1646, 170.1749

# Square

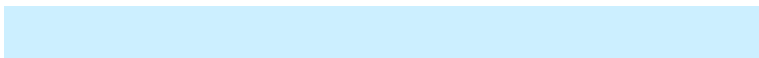
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9929, 87.1646, 44.1136



62.4004, 87.1646, 106.5695



86.8252, 87.1646, 174.6259



107.3342, 87.1646, 84.1288

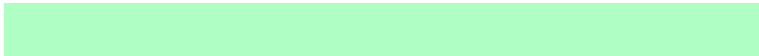


# Rectangle

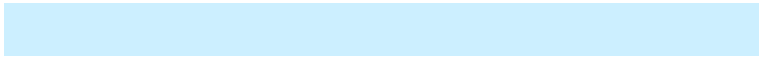
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9929, 87.1646, 44.1136



64.6835, 87.1646, 65.8532



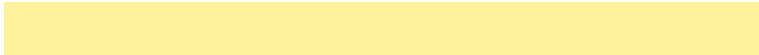
86.8252, 87.1646, 174.6259



104.1281, 87.1646, 131.4528

# Sweetspot

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



78.9951, 87.1686, 44.1154



89.2410, 95.6478, 84.5641



60.3093, 47.9100, 43.7047



18.9760, 20.3758, 17.5849



0.0000, 0.0000, 0.0000

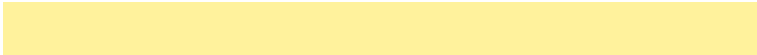


20.3446, 21.4041, 23.3091



# Same Dimension

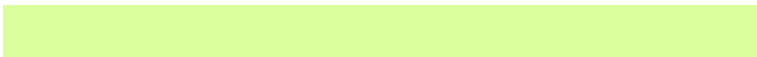
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9951, 87.1686, 44.1154



76.5693, 84.9046, 35.3297



70.8845, 88.9341, 44.8837



19.3459, 20.6600, 19.1125



35.2121, 38.4353, 5.5629



3.4826, 3.8505, 0.5597



# Inverse Universe

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



45.9480, 42.6626, 100.4207



39.1132, 34.4780, 99.2012



51.7536, 42.2437, 100.0338



17.1952, 17.7619, 22.7721



9.7813, 4.4722, 49.7823

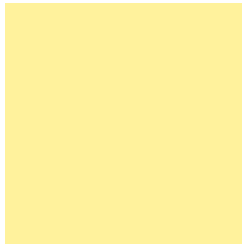


1.0091, 0.5490, 4.8660



# Previews

## White Background



This preview shows how the XYZ color 78.9929, 87.1646, 44.1136 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 78.9929, 87.1646, 44.1136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

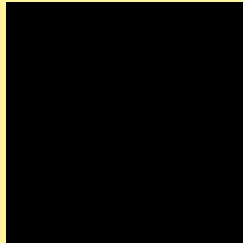
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.9929, 87.1646, 44.1136**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.9929, 87.1646, 44.1136.



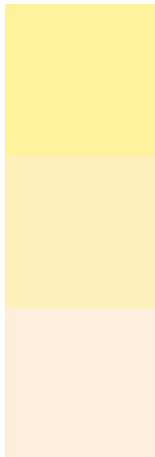
This preview shows how white text looks on a background with the XYZ color 78.9929, 87.1646,



# 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

78.9929, 87.1646, 44.1136

### Protanopia

81.2630, 87.1253, 58.9882

### Deuteranopia

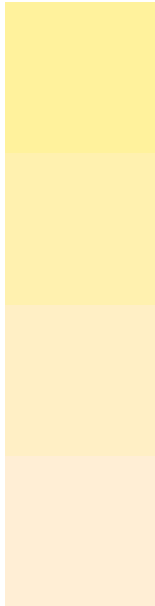
84.4425, 86.9957, 80.0514



## Tritanopia

87.4298, 87.2692, 98.6228

# Trichromacy



## Original Color

78.9929, 87.1646, 44.1136

## Protanomaly

80.4332, 87.2657, 53.1621

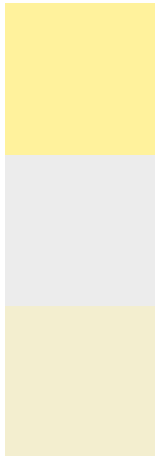
## Deuteranomaly

82.1845, 87.0242, 65.2891

## Tritanomaly

83.8248, 87.2132, 75.3666

# Monochromacy



## Original Color

78.9929, 87.1646, 44.1136

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.7992, 84.7088, 71.2287

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9929, 87.1646, 44.1136 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, 242, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 156)  
}
```

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, 242, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9929, 87.1646, 44.1136 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, 242, 156) }
```



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

```
.border{ border-color:rgb(255, 242, 156) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9929, 87.1646, 44.1136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 156) }
```

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

```
.background{ background-color: rgb(255,  
242, 156) }
```

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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