

# Converting Colors

XYZ(79.6422, 88.8647, 43.0920)

Have a look what the booklet for  
XYZ(79.6422, 88.8647, 43.0920)  
contains.

<b>XYZ(79.6422, 88.8647, 43.0920)</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(79.6422, 88.8647,  
43.0920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF599
RGB	255, 245, 153
RGB Percent	100%, 96%, 60%
CMY	0.0000, 0.0392, 0.4000
CMYK	0.00, 0.04, 0.40, 0.00
HSL	54°, 100%, 80%
HSV	54°, 40%, 100%
XYZ	79.6422, 88.8647, 43.0920
YIQ	237.5020, 35.4920, -26.4920

# Conversions

## Conversions Part 2

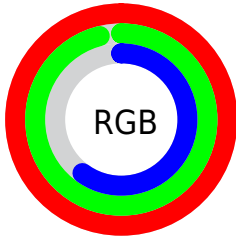
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	164, 255, 153
Decimal	16774553
CIE Lab	95.52, -9.33, 45.44
CIE LCh	96, 46.390, 101.597
Yxy	88.8647, 0.3764, 0.4200
Android (android.graphics.Color)	4294964633 (0xFFFFF599)
YUV	237.5020, -41.6595, 15.3457
Hunter-Lab	94.2681, -14.1638, 38.8849

# Details

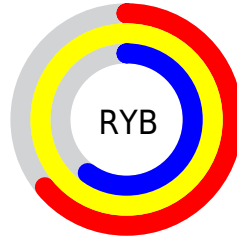
The XYZ color **79.6422, 88.8647, 43.0920** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.2839, 40.1856, 100.0303**, and the grayscale version is **81.1774, 85.4050, 93.0060**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **43.5238, 49.1856, 19.2564** is the 20% darker color. If you saturate the color by 10%, you get **77.0072, 86.6126, 32.9101**, and if you desaturate by 10%, it is **82.7419, 91.3254, 55.6512**.

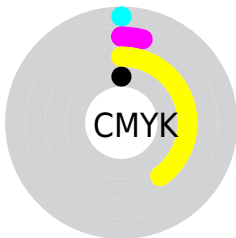
# Distribution



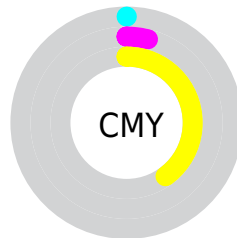
- Red (100%)
- Green (96%)
- Blue (60%)



- Red (64%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (4%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6422, 88.8647, 43.0920 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 79.6422, 88.8647, 43.0920 by changing the saturation by 10% instead.





 79.6422, 88.8647,  
43.0920


 79.6422, 88.8647,  
43.0920


482.4811,  
524.3308, 374.9223

 59.7314, 67.0394,  
29.6254


 131.8157,  
145.7604, 81.1375

 43.4508, 49.1167,  
19.3048


 164.8092,  
181.5996, 106.5535

 30.4350, 34.7120,  
11.7117


202.8943,  
222.8789, 136.7897

 20.3187, 23.4411,  
6.4275

246.4363,  
269.9827, 172.2646

 12.7366, 14.9196,  
3.0338

295.8006,  
323.2954, 213.3967

 7.3231, 8.7630,  
1.1119

351.3527,

 3.7131, 4.5869,

383.2014, 260.6047

0.0000

413.4577,  
450.0851, 314.3071

■ 1.5411, 2.0070,  
0.0000

■ 0.3536, 0.6115,  
0.0000

■ 79.6422, 88.8647,  
43.0920

■ 79.6422, 88.8647,  
43.0920

■ 77.0072, 86.6126,  
32.9101

■ 82.7419, 91.3254,  
55.6512

■ 74.8013, 84.5452,  
24.9475

■ 86.3261, 93.9931,  
70.7211

■ 72.9945, 82.6537,  
19.0360

■ 90.4214, 96.8817,  
88.4316

■ 71.5496, 80.9230,  
14.9809

95.0500, 100.0000,  
108.9000

■ 70.4226, 79.3356,  
12.5500

■ 69.5413, 77.8625,  
11.3638

■ 69.5412, 77.8624,  
11.3637

# Harmonies

## Analogous

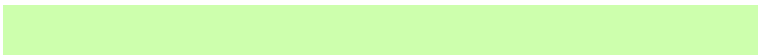
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4206, 88.8647, 44.3591



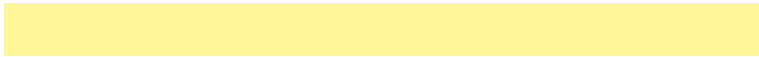
79.6422, 88.8647, 43.0920



69.2469, 88.8647, 53.2671

# Triad

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



79.6422, 88.8647, 43.0920



67.4643, 88.8647, 151.0966



109.8554, 88.8647, 120.5942

# Complementary

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



79.6422, 88.8647, 43.0920



44.2839, 40.1856, 100.0303

# 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.



101.7597, 88.8647, 159.1483



79.6422, 88.8647, 43.0920



76.9762, 88.8647, 179.5822

# Square

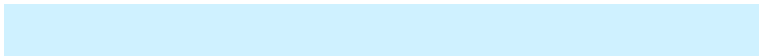
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6422, 88.8647, 43.0920



62.7023, 88.8647, 111.5308



89.4750, 88.8647, 182.8516

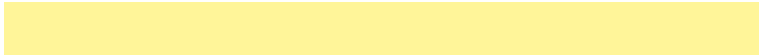


110.7531, 88.8647, 83.3519

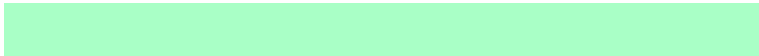


# Rectangle

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



79.6422, 88.8647, 43.0920



64.7278, 88.8647, 67.1231



89.4750, 88.8647, 182.8516



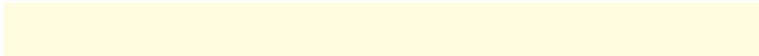
107.8504, 88.8647, 134.0399

# Sweetspot

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



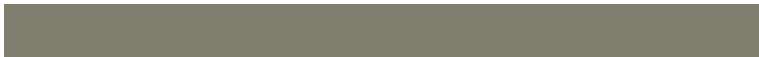
79.6444, 88.8688, 43.0938



89.5599, 96.2855, 84.6704



59.2607, 46.6950, 40.6352



19.0516, 20.5268, 17.6101



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

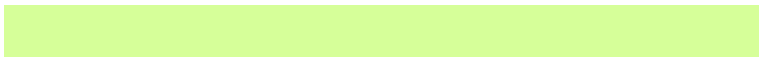
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6444, 88.8688, 43.0938



77.4989, 87.0481, 34.7630



69.3003, 88.1464, 43.4996



19.4002, 20.7685, 19.1306



36.3989, 40.8090, 5.9585



3.5863, 4.0580, 0.5942



# Inverse Universe

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



44.2839, 40.1856, 100.0303



37.7231, 32.3005, 98.8541



51.6389, 41.4465, 99.8860



17.1461, 17.6639, 22.7557



9.6600, 4.2295, 49.7418

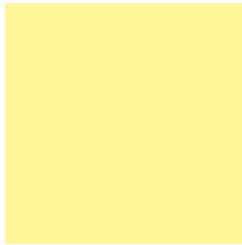


0.9861, 0.5029, 4.8584



# Previews

## White Background



This preview shows how the XYZ color 79.6422, 88.8647, 43.0920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

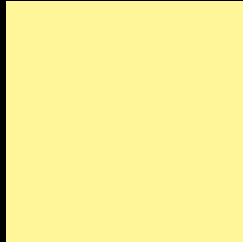
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.6422, 88.8647, 43.0920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

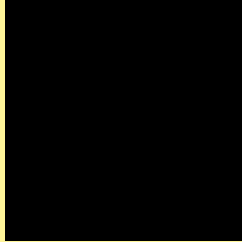
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.6422, 88.8647, 43.0920**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.6422, 88.8647, 43.0920.



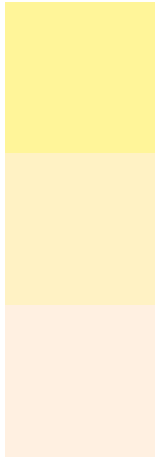
This preview shows how white text looks on a background with the XYZ color 79.6422, 88.8647,



# 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**

79.6422, 88.8647, 43.0920

**Protanopia**

82.9559, 88.7498, 64.9827

**Deuteranopia**

85.9907, 89.0164, 83.8839



## Tritanopia

88.3127, 88.5438, 100.4318

# Trichromacy



## Original Color

79.6422, 88.8647, 43.0920



## Protanomaly

81.5288, 88.6565, 55.9954



## Deuteranomaly

83.3009, 88.8878, 66.7995



## Tritanomaly

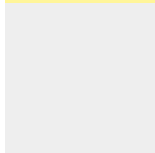
84.4103, 88.3843, 75.5618

# Monochromacy



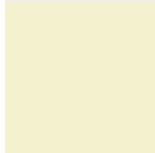
## Original Color

79.6422, 88.8647, 43.0920



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

80.0260, 86.6487, 71.5385

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6422, 88.8647, 43.0920 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, 245, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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(255, 245, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6422, 88.8647, 43.0920 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, 245, 153) }
```



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

```
.border{ border-color:rgb(255, 245, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 245, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 245, 153); box-shadow:4px 4px 4px 4px rgb(255, 245, 153) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.6422, 88.8647, 43.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 153) }
```

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

```
.background{ background-color: rgb(255,  
245, 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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