

# Converting Colors

XYZ(162.1523, 143.4063,  
83.0814)

Have a look what the booklet for  
XYZ(162.1523, 143.4063, 83.0814)  
contains.

<b>XYZ(89.1376, 97.6350, 77.7657)</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(89.1376, 97.6350,  
77.7657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFD6
RGB	255, 255, 214
RGB Percent	100%, 100%, 84%
CMY	0.0000, 0.0000, 0.1608
CMYK	0.00, 0.00, 0.16, 0.00
HSL	60°, 100%, 92%
HSV	60°, 16%, 100%
XYZ	89.1376, 97.6350, 77.7657
YIQ	250.3260, 13.1610, -12.7510

# Conversions

## Conversions Part 2

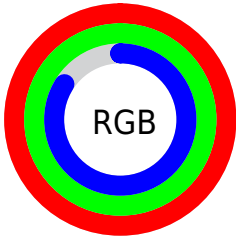
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 255, 214
Decimal	16777174
CIE <sub>Lab</sub>	99.08, -6.61, 19.64
CIE <sub>LCh</sub>	99, 20.719, 108.609
Yxy	97.6350, 0.3370, 0.3691
Android (android.graphics.Color)	4294967254 (0xFFFFFD6)
YUV	250.3260, -17.9087, 4.0991
Hunter-Lab	98.8104, -11.8921, 22.5049

# Details

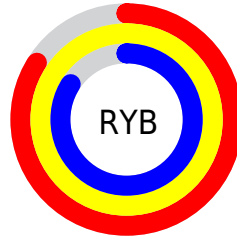
The XYZ color **89.1376, 97.6350, 77.7657** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.8292, 69.6106, 104.3635**, and the grayscale version is **91.2707, 96.0239, 104.5700**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.7408, 54.8971, 40.7755** is the 20% darker color. If you saturate the color by 10%, you get **86.1313, 96.4325, 61.9349**, and if you desaturate by 10%, it is **92.6543, 99.0417, 96.2843**.

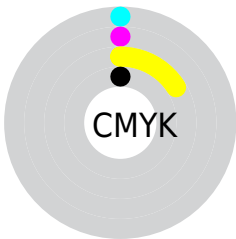
# Distribution



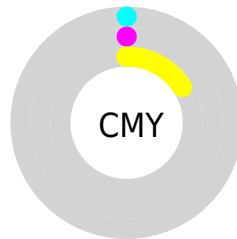
- Red (100%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.1376, 97.6350, 77.7657 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 89.1376, 97.6350, 77.7657 by changing the saturation by 10% instead.




 89.1376, 97.6350,  
77.7657

 89.1376, 97.6350,  
77.7657


513.5013,  
552.5667, 506.8776

 67.5995, 74.3300,  
57.3662


145.0243,  
157.9000, 132.0026

 49.8445, 55.0642,  
40.8880


180.1037,  
195.6288, 166.6772

 35.5071, 39.4531,  
27.9126


220.4276,  
238.9343, 206.9472

 24.2221, 27.1124,  
18.0213

266.3612,  
288.2010, 253.2311

 15.6241, 17.6577,  
10.7957

318.2701,  
343.8131, 305.9476

 9.3477, 10.7045,  
5.8172

376.5195,

 5.0276, 5.8685,

406.1552, 365.5152

2.6672

441.4748,  
475.6116, 432.3523

■ 2.2984, 2.7653,  
0.9269

■ 0.7938, 1.0105,  
0.0000

■ 89.1376, 97.6350,  
77.7657

■ 89.1376, 97.6350,  
77.7657

■ 86.1313, 96.4325,  
61.9349


■ 92.6543, 99.0417,  
96.2843


■ 83.6110, 95.4244,  
48.6633


95.0500, 100.0000,  
108.9000


■ 81.5515, 94.6006,  
37.8177


■ 79.9247, 93.9499,  
29.2515

 78.7000, 93.4600,  
22.8022

 77.8424, 93.1169,  
18.2858

 77.3109, 92.9044,  
15.4871

 77.0548, 92.8019,  
14.1386

 77.0000, 92.7800,  
13.8500

# Harmonies

## Analogous

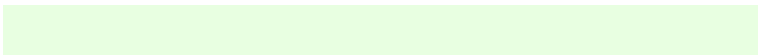
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.1149, 97.6350, 76.8881



89.1376, 97.6350, 77.7657



84.3456, 97.6350, 85.7728

# Triad

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



89.1376, 97.6350, 77.7657



85.3206, 97.6350, 133.3014



104.6720, 97.6350, 113.0223

# Complementary

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



89.1376, 97.6350, 77.7657



69.8292, 69.6106, 104.3635

# 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.



101.7994, 97.6350, 129.8839



89.1376, 97.6350, 77.7657



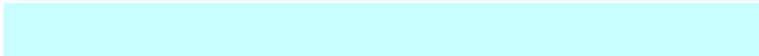
90.5212, 97.6350, 142.4120

# Square

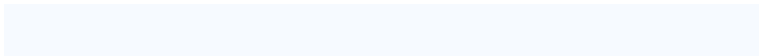
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



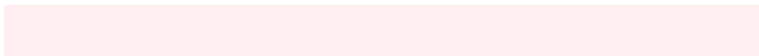
89.1376, 97.6350, 77.7657



82.2088, 97.6350, 117.2934



96.5596, 97.6350, 141.0975



104.2620, 97.6350, 96.0307

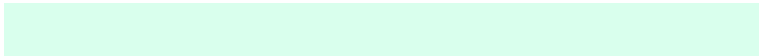


# Rectangle

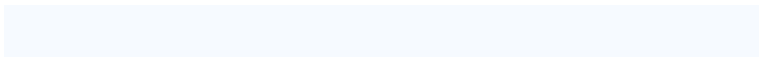
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1376, 97.6350, 77.7657



82.3871, 97.6350, 94.6176



96.5596, 97.6350, 141.0975



104.0534, 97.6350, 118.9236

# Sweetspot

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



89.1379, 97.6351, 77.7671



93.0646, 99.2058, 98.4450



77.4249, 74.2093, 73.8628



19.8622, 21.2112, 20.7689



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

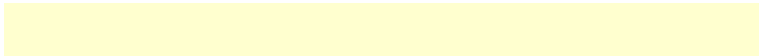


# Same Dimension

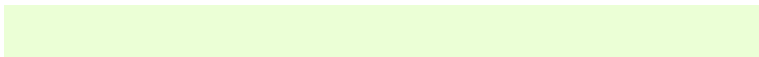
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1379, 97.6351, 77.7671



88.2075, 97.2630, 72.8681



81.9943, 93.9525, 77.4328



19.5613, 21.0908, 19.1843



40.2342, 48.4795, 7.2369



3.9175, 4.7203, 0.7046



# Inverse Universe

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



69.8292, 69.6106, 104.3635



65.8605, 64.8286, 103.6497



76.1935, 72.8915, 104.6614



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 89.1376, 97.6350, 77.7657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

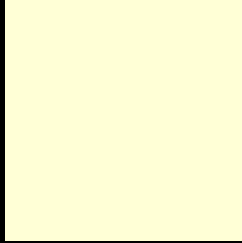
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.1376, 97.6350, 77.7657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

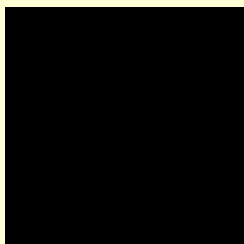
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 89.1376, 97.6350, 77.7657**

## **Background**



This preview shows how black text looks on a background with the XYZ color 89.1376, 97.6350, 77.7657.



This preview shows how white text looks on a background with the XYZ color 89.1376, 97.6350,



# 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

89.1376, 97.6350, 77.7657



### Protanopia

92.5318, 97.4734, 100.3235

### Deuteranopia

93.3057, 97.7829, 104.3987

## **Tritanopia**

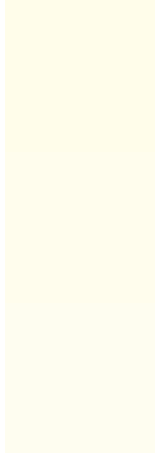
93.7335, 97.9116, 108.5663

# Trichromacy



## Original Color

89.1376, 97.6350, 77.7657



## Protanomaly

91.2166, 97.4511, 91.8442

## Deuteranomaly

91.6513, 97.6250, 94.1337

## Tritanomaly

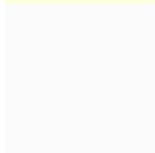
91.7265, 97.6127, 96.4447

# Monochromacy



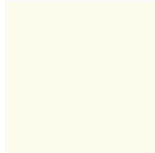
## Original Color

89.1376, 97.6350, 77.7657



## Achromatopsia

90.8653, 95.5973, 104.1055



## Achromatomaly

90.2413, 96.4307, 93.9775

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1376, 97.6350, 77.7657 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, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 214)  
}
```

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, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1376, 97.6350, 77.7657 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, 255, 214) }
```



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

```
.border{ border-color:rgb(255, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1376, 97.6350, 77.7657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 214) }
```

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

```
.background{ background-color: rgb(255,  
255, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor