

# Converting Colors

XYZ(173.1703, 164.2612,  
96.6663)

Have a look what the booklet for  
XYZ(173.1703, 164.2612, 96.6663)  
contains.

<b>XYZ(91.1429, 98.4371, 88.3253)</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(91.1429, 98.4371,  
88.3253)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFFE5
RGB	255, 255, 229
RGB Percent	100%, 100%, 90%
CMY	0.0000, 0.0000, 0.1020
CMYK	0.00, 0.00, 0.10, 0.00
HSL	60°, 100%, 95%
HSV	60°, 10%, 100%
XYZ	91.1429, 98.4371, 88.3253
YIQ	252.0360, 8.3460, -8.0860

# Conversions

## Conversions Part 2

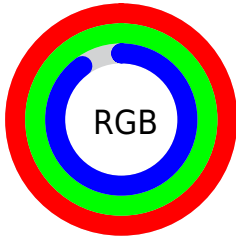
Format	Color
R <sub>Y</sub> B	229, 255, 229
Decimal	16777189
CIE Lab	99.39, -4.32, 12.43
CIE LCh	99, 13.158, 109.183
Yxy	98.4371, 0.3280, 0.3542
Android (android.graphics.Color)	4294967269 (0xFFFFFE5)
YUV	252.0360, -11.3567, 2.5994
Hunter-Lab	99.2155, -9.6506, 16.6687

# Details

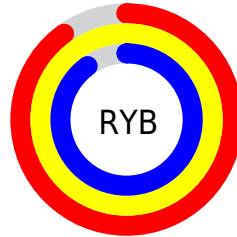
The XYZ color 91.1429, 98.4371, 88.3253 is a light color, and the websafe version is hex FFFFC. A complement of this color would be 78.3836, 79.9181, 105.9022, and the grayscale version is 92.6431, 97.4677, 106.1423.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.1228, 55.4499, 48.0528 is the 20% darker color. If you saturate the color by 10%, you get 87.8394, 97.1158, 70.9297, and if you desaturate by 10%, it is 94.9699, 99.9680, 108.4783.

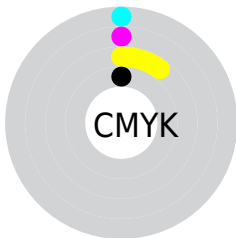
# Distribution



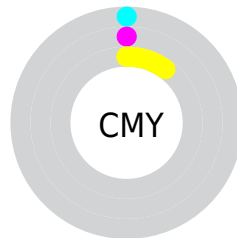
- Red (100%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.1429, 98.4371, 88.3253 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 91.1429, 98.4371, 88.3253 by changing the saturation by 10% instead.



 91.1429, 98.4371,  
88.3253

 91.1429, 98.4371,  
88.3253


519.9243,  
555.1109, 542.9968

 69.2683, 74.9990,  
66.0266


147.7952,  
159.0047, 146.9251

 51.2077, 55.6120,  
47.8374

183.3037,  
196.9029, 184.0633

 36.5957, 39.8919,  
33.3391


224.0875,  
240.3899, 226.9851

 25.0668, 27.4543,  
22.1131

270.5120,  
289.8501, 276.1090

 16.2558, 17.9147,  
13.7409

322.9426,  
345.6679, 331.8536

 9.7974, 10.8888,  
7.8040

381.7446,

 5.3260, 5.9921,

408.2278, 394.6374

3.8838

447.2834,  
477.9140, 464.8790

■ 2.4765, 2.8403,  
1.5618

■ 0.8834, 1.0489,  
0.2634

■ 91.1429, 98.4371,  
88.3253

■ 91.1429, 98.4371,  
88.3253

■ 87.8394, 97.1158,  
70.9297

94.9699, 99.9680,  
108.4783

■ 85.0361, 95.9944,  
56.1674

95.0500, 100.0000,  
108.9000

■ 82.7087, 95.0635,  
43.9117

■ 80.8309, 94.3124,  
34.0232

■ 79.3736, 93.7295,  
26.3494

■ 78.3046, 93.3018,  
20.7198

■ 77.5866, 93.0146,  
16.9391

■ 77.1755, 92.8502,  
14.7741

■ 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.



94.9620, 98.4371, 87.6215



91.1429, 98.4371, 88.3253



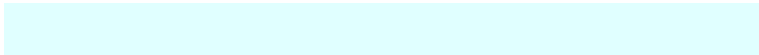
88.0539, 98.4371, 93.8736

# Triad

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



91.1429, 98.4371, 88.3253



88.7915, 98.4371, 124.0935



101.0459, 98.4371, 111.2220

# Complementary

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



91.1429, 98.4371, 88.3253



78.3836, 79.9181, 105.9022

# Split Complementary

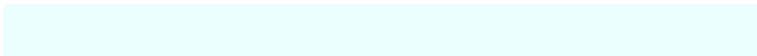
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.2941, 98.4371, 121.6907



91.1429, 98.4371, 88.3253



92.1749, 98.4371, 129.4547

# Square

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



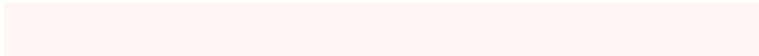
91.1429, 98.4371, 88.3253



86.7224, 98.4371, 114.3215



96.0225, 98.4371, 128.5463



100.7511, 98.4371, 100.3447



# Rectangle

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



91.1429, 98.4371, 88.3253



86.7913, 98.4371, 99.8001



96.0225, 98.4371, 128.5463



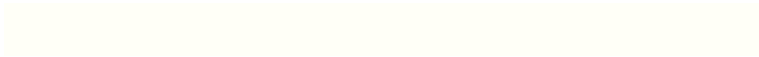
100.6750, 98.4371, 114.9177

# Sweetspot

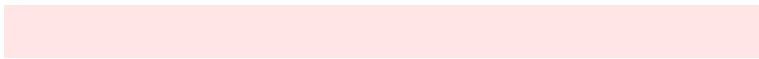
The Sweet Spot groups the original color and five complimentary colors.



91.1431, 98.4373, 88.3267



93.8426, 99.5170, 102.5418



83.4030, 82.9570, 85.7467



20.0189, 21.2738, 21.5937



0.0000, 0.0000, 0.0000

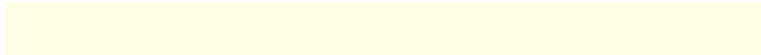


20.3446, 21.4041, 23.3091



# Same Dimension

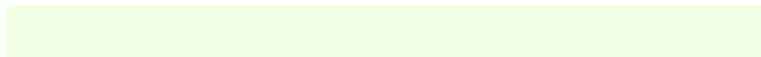
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.1431, 98.4373, 88.3267



90.5089, 98.1835, 84.9868



86.5214, 96.0547, 88.1105



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.



78.3836, 79.9181, 105.9022



75.6779, 76.6579, 105.4155



82.6882, 82.1372, 106.1037



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

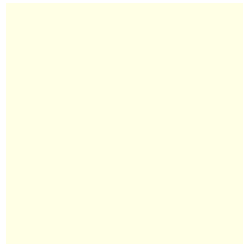


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 91.1429, 98.4371, 88.3253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

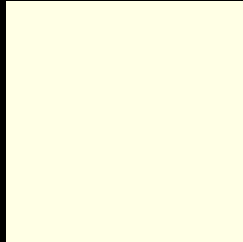
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.1429, 98.4371, 88.3253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

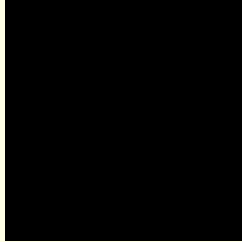
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 91.1429, 98.4371, 88.3253**

## **Background**



This preview shows how black text looks on a background with the XYZ color 91.1429, 98.4371, 88.3253.



This preview shows how white text looks on a background with the XYZ color 91.1429, 98.4371,



# 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

91.1429, 98.4371, 88.3253

### Protanopia

93.4642, 98.3501, 103.6799

### Deuteranopia

93.9360, 98.5388, 106.1644

## Tritanopia

94.0483, 98.5414, 108.6713

# Trichromacy

**Original Color**

91.1429, 98.4371, 88.3253

**Protanomaly**

92.7088, 98.5544, 98.1410

**Deuteranomaly**

93.0109, 98.6753, 99.7320

**Tritanomaly**

92.9494, 98.6083, 101.3231

# Monochromacy

**Original Color**

91.1429, 98.4371, 88.3253

**Achromatopsia**

92.5260, 97.3445, 106.0082

**Achromatomaly**

91.9624, 97.6649, 99.5922

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.1429, 98.4371, 88.3253 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, 229) looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 91.1429, 98.4371, 88.3253 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, 229) }
```



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

```
.border{ border-color:rgb(255, 255, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.1429, 98.4371, 88.3253 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
255, 229) }
```

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