

# Converting Colors

XYZ(90.0989, 96.0483, 88.9051)

Have a look what the booklet for  
XYZ(90.0989, 96.0483, 88.9051)  
contains.

<b>XYZ(90.0201, 95.9675, 88.6419)</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(90.0201, 95.9675,  
88.6419)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFBE6
RGB	255, 251, 230
RGB Percent	100%, 98%, 90%
CMY	0.0000, 0.0157, 0.0980
CMYK	0.00, 0.02, 0.10, 0.00
HSL	50°, 100%, 95%
HSV	50°, 10%, 100%
XYZ	90.0201, 95.9675, 88.6419
YIQ	249.8020, 9.1250, -5.6830

# Conversions

## Conversions Part 2

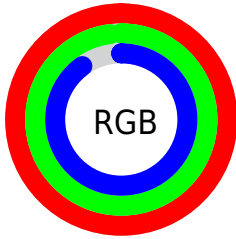
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 255, 230
Decimal	16776166
CIE Lab	98.42, -2.16, 10.53
CIE LCh	98, 10.746, 101.604
Yxy	95.9675, 0.3278, 0.3494
Android (android.graphics.Color)	4294966246 (0xFFFFFBE6)
YUV	249.8020, -9.7624, 4.5586
Hunter-Lab	97.9630, -7.4082, 14.9255

# Details

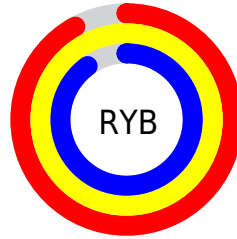
The XYZ color 90.0201, 95.9675, 88.6419 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.1053, 82.8865, 106.3844, and the grayscale version is 90.7776, 95.5051, 104.0051.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.4438, 54.0920, 47.8265 is the 20% darker color. If you saturate the color by 10%, you get 85.4394, 92.1238, 70.7214, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

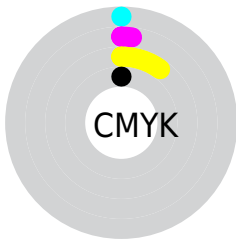
# Distribution



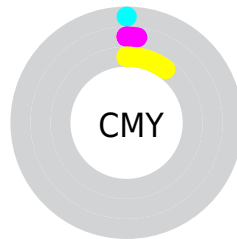
- Red (100%)
- Green (98%)
- Blue (90%)



- Red (92%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.0201, 95.9675, 88.6419 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 90.0201, 95.9675, 88.6419 by changing the saturation by 10% instead.




 90.0201, 95.9675,  
88.6419

 90.0201, 95.9675,  
88.6419

516.3332,  
547.2577, 544.0587

 68.3336, 72.9405,  
66.2874


146.2445,  
155.6006, 147.3695

 50.4439, 53.9273,  
48.0478

181.5132,  
192.9754, 184.5797

 35.9855, 38.5435,  
33.5045


222.0400,  
235.9017, 227.5789

 24.5930, 26.4048,  
22.2389

268.1903,  
284.7637, 276.7856

 15.9012, 17.1267,  
13.8326

320.3293,  
339.9459, 332.6184

 9.5447, 10.3249,  
7.8669

378.8226,

 5.1581, 5.6149,

401.8327, 395.4958

3.9233

444.0354,  
470.8085, 465.8364

■ 2.3760, 2.6124,  
1.5834

■ 0.8331, 0.9329,  
0.2789

■ 90.0201, 95.9675,  
88.6419

■ 90.0201, 95.9675,  
88.6419

■ 85.4394, 92.1238,  
70.7214

95.0500, 100.0000,  
108.9000

■ 81.3850, 88.5310,  
55.4476

■ 77.8346, 85.1832,  
42.6944

■ 74.7618, 82.0693,  
32.3233

■ 72.1374, 79.1776,  
24.1820

■ 69.9291, 76.4947,  
18.1008

■ 68.0997, 74.0056,  
13.8856

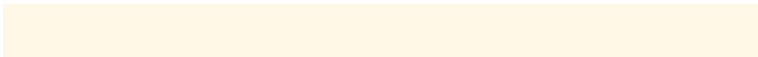
■ 66.6054, 71.6924,  
11.3049

■ 65.3754, 69.5265,  
9.9887

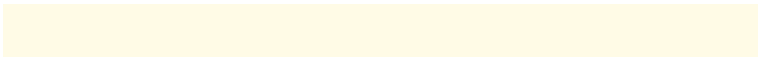
# Harmonies

## Analogous

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



93.1088, 95.9675, 89.1119



90.0201, 95.9675, 88.6419



87.3122, 95.9675, 92.2367

# Triad

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



90.0201, 95.9675, 88.6419



86.8280, 95.9675, 116.2456



96.9898, 95.9675, 109.9743

# Complementary

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



90.0201, 95.9675, 88.6419



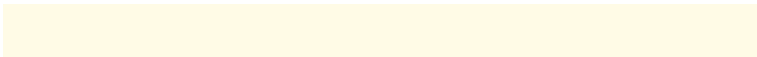
80.1053, 82.8865, 106.3844

# Split Complementary

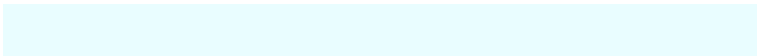
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.2308, 95.9675, 117.7881



90.0201, 95.9675, 88.6419



89.3455, 95.9675, 121.5478

# Square

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



90.0201, 95.9675, 88.6419



85.4974, 95.9675, 107.9650



92.4189, 95.9675, 122.1278

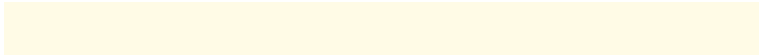


97.1804, 95.9675, 101.0949

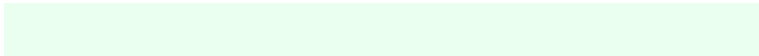


# Rectangle

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



90.0201, 95.9675, 88.6419



86.0690, 95.9675, 96.5802



92.4189, 95.9675, 122.1278



96.5605, 95.9675, 112.8251

# Sweetspot

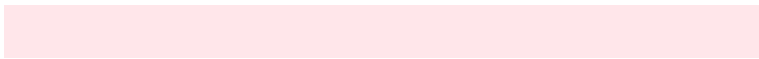
The Sweet Spot groups the original color and five complimentary colors.



90.0223, 95.9715, 88.6439



93.4539, 98.7397, 102.4122



84.4128, 83.8048, 89.6956



19.9135, 21.0631, 21.5586



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.



90.0223, 95.9715, 88.6439



88.9690, 95.1039, 84.4735



88.2837, 96.9470, 88.9239



19.2996, 20.5673, 19.0970



34.2404, 36.4920, 5.2390



3.3971, 3.6796, 0.5312



# Inverse Universe

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



80.1053, 82.8865, 106.3844



77.0139, 79.3299, 105.8609



81.7197, 82.0498, 106.1378



17.2373, 17.8463, 22.7861



9.9100, 4.7295, 49.8252

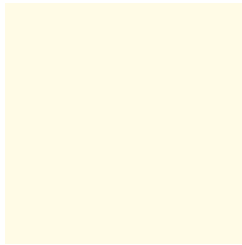


1.0289, 0.5884, 4.8726



# Previews

## White Background



This preview shows how the XYZ color 90.0201, 95.9675, 88.6419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

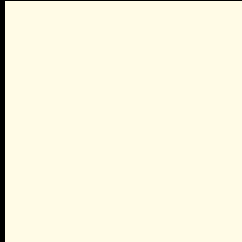
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.0201, 95.9675, 88.6419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

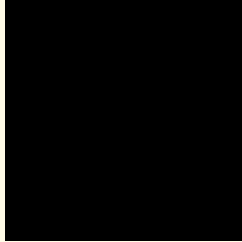
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.0201, 95.9675, 88.6419

## Background



This preview shows how black text looks on a background with the XYZ color 90.0201, 95.9675, 88.6419.



This preview shows how white text looks on a background with the XYZ color 90.0201, 95.9675,



# 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

90.0201, 95.9675, 88.6419

### Protanopia

91.3028, 95.9821, 96.9333

### Deuteranopia

92.0590, 95.7887, 102.4440

## **Tritanopia**

92.4337, 95.8540, 108.2376

# Trichromacy



**Original Color**

90.0201, 95.9675, 88.6419

**Protanomaly**

90.7117, 95.7456, 93.8205

**Deuteranomaly**

91.3028, 95.9821, 96.9333

**Tritanomaly**

91.6932, 96.0959, 100.9044

# Monochromacy



**Original Color**

90.0201, 95.9675, 88.6419



**Achromatopsia**

90.8653, 95.5973, 104.1055



**Achromatomaly**

90.5082, 95.5377, 98.4644

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.0201, 95.9675, 88.6419 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, 251, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 230)  
}
```

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, 251, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 90.0201, 95.9675, 88.6419 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, 251, 230) }
```



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

```
.border{ border-color:rgb(255, 251, 230) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.0201, 95.9675, 88.6419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 230) }
```

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

```
.background{ background-color: rgb(255,  
251, 230) }
```

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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