

Converting Colors

XYZ(95.9750, 100.0000,
88.3884)

Have a look what the booklet for
XYZ(95.9750, 100.0000, 88.3884)
contains.

XYZ(90.5081, 97.1677, 88.1137)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(90.5081, 97.1677,
88.1137)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFDE5
RGB	255, 253, 229
RGB Percent	100%, 99%, 90%
CMY	0.0000, 0.0078, 0.1020
CMYK	0.00, 0.01, 0.10, 0.00
HSL	55°, 100%, 95%
HSV	55°, 10%, 100%
XYZ	90.5081, 97.1677, 88.1137
YIQ	250.8620, 8.8960, -7.0400

Conversions

Conversions Part 2

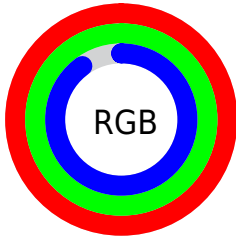
Format	Color
R _Y B	231, 255, 229
Decimal	16776677
CIE Lab	98.89, -3.32, 11.72
CIE LCh	99, 12.179, 105.835
Yxy	97.1677, 0.3282, 0.3523
Android (android.graphics.Color)	4294966757 (0xFFFFFDE5)
YUV	250.8620, -10.7780, 3.6290
Hunter-Lab	98.5737, -8.6093, 16.0030

Details

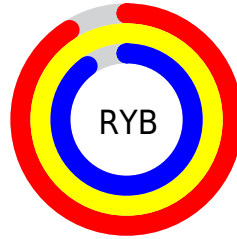
The XYZ color **90.5081, 97.1677, 88.1137** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.9384, 81.0277, 106.0872**, and the grayscale version is **91.6635, 96.4371, 105.0200**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.6686, 54.5416, 47.9015** is the 20% darker color. If you saturate the color by 10%, you get **86.5925, 94.6218, 70.5140**, and if you desaturate by 10%, it is **94.9577, 99.9436, 108.4741**.

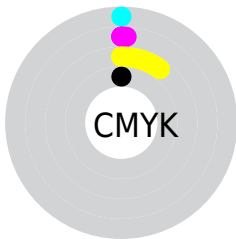
Distribution



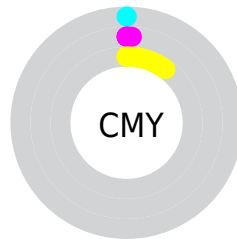
- Red (100%)
- Green (99%)
- Blue (90%)



- Red (91%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 90.5081, 97.1677, 88.1137 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 90.5081, 97.1677, 88.1137 by changing the saturation by 10% instead.

90.5081, 97.1677,
88.1137

90.5081, 97.1677,
88.1137

517.8956,
551.0816, 542.2865

68.7398, 73.9405,
65.8524

146.9187,
157.2560, 146.6280

50.7757, 54.7453,
47.6968

182.2918,
194.8858, 183.7180

36.2504, 39.1978,
33.2286

222.9304,
238.0853, 226.5880

24.7987, 26.9137,
22.0291

269.2001,
287.2389, 275.6565

16.0551, 17.5084,
13.6797

321.4661,
342.7309, 331.3420

9.6542, 10.5976,
7.7621

380.0937,

5.2308, 5.7970,

404.9458, 394.0632

3.8575

445.4485,
474.2679, 464.2385

■ 2.4195, 2.7220,
1.5475

■ 0.8548, 0.9884,
0.2529

■ 90.5081, 97.1677,
88.1137

■ 90.5081, 97.1677,
88.1137

■ 86.5925, 94.6218,
70.5140

94.9577, 99.9436,
108.4741

■ 83.1812, 92.2847,
55.5491

95.0500, 100.0000,
108.9000

■ 80.2522, 90.1505,
43.0928

■ 77.7790, 88.2086,
33.0059

■ 75.7327, 86.4476,
25.1358

■ 74.0808, 84.8542,
19.3119

■ 72.7862, 83.4138,
15.3389

■ 71.8046, 82.1084,
12.9838

■ 71.0758, 80.9316,
11.8753

Harmonies

Analogous

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



94.0325, 97.1677, 87.9834



90.5081, 97.1677, 88.1137



87.5528, 97.1677, 92.7770

Triad

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



90.5081, 97.1677, 88.1137



87.6884, 97.1677, 120.4242



99.1205, 97.1677, 110.6467

Complementary

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



90.5081, 97.1677, 88.1137



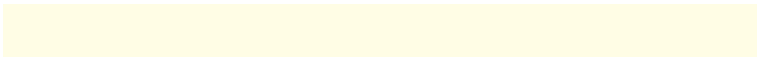
78.9384, 81.0277, 106.0872

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.



97.3296, 97.1677, 119.9861



90.5081, 97.1677, 88.1137



90.6976, 97.1677, 125.8707

Square

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



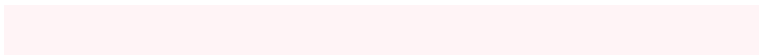
90.5081, 97.1677, 88.1137



85.9535, 97.1677, 111.2139



94.2268, 97.1677, 125.7055



99.0666, 97.1677, 100.5630

Rectangle

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



90.5081, 97.1677, 88.1137



86.2766, 97.1677, 98.0100



94.2268, 97.1677, 125.7055



98.7124, 97.1677, 113.9904

Sweetspot

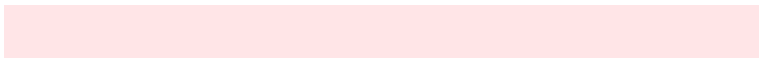
The Sweet Spot groups the original color and five complimentary colors.



90.5104, 97.1718, 88.1158



93.6557, 99.1433, 102.4795



83.7075, 83.0787, 87.3500



19.9682, 21.1725, 21.5768



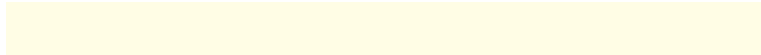
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



90.5104, 97.1718, 88.1158



89.7648, 96.6954, 84.7387



87.2695, 96.4403, 88.1454



19.4350, 20.8382, 19.1422



37.1888, 42.3888, 6.2218



3.6550, 4.1953, 0.6171

Inverse Universe

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



78.9384, 81.0277, 106.0872



76.3144, 77.9310, 105.6277



81.9488, 81.7560, 106.0691



17.1149, 17.6014, 22.7453



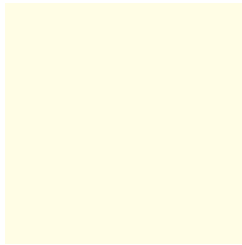
9.5977, 4.1049, 49.7211



0.9714, 0.4735, 4.8535

Previews

White Background



This preview shows how the XYZ color 90.5081, 97.1677, 88.1137 looks on a white background.

Color Contrast Check

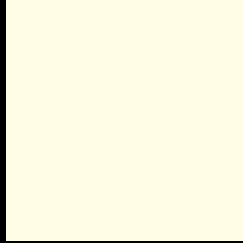
Large Text (above 18pt) WCAG AA × Fail

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 90.5081, 97.1677, 88.1137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

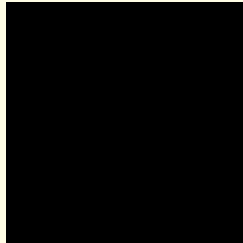
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 90.5081, 97.1677, 88.1137

Background



This preview shows how black text looks on a background with the XYZ color 90.5081, 97.1677, 88.1137.

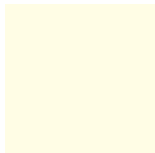


This preview shows how white text looks on a background with the XYZ color 90.5081, 97.1677,

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

90.5081, 97.1677, 88.1137

Protanopia

92.5318, 97.4734, 100.3235

Deuteranopia

92.9925, 97.1565, 104.2943

Tritanopia

93.4202, 97.2852, 108.4619

Trichromacy



Original Color

90.5081, 97.1677, 88.1137

Protanomaly

91.6304, 97.1128, 95.5766

Deuteranomaly

92.0774, 97.2916, 97.9306

Tritanomaly

92.3180, 97.3455, 101.1127

Monochromacy



Original Color

90.5081, 97.1677, 88.1137



Achromatopsia

91.6934, 96.4686, 105.0543



Achromatomaly

91.1329, 96.7873, 98.6726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 90.5081, 97.1677, 88.1137 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, 253, 229) looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 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, 253, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 229) }
```

Border

The CSS property to change the border of an element to XYZ 90.5081, 97.1677, 88.1137 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, 253, 229) }
```


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

```
.border{ border-color:rgb(255, 253, 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, 253, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 90.5081, 97.1677, 88.1137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 229) }
```

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

```
.background{ background-color: rgb(255,  
253, 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