

Converting Colors

XYZ(90.1466, 95.9017, 89.6668)

Have a look what the booklet for
XYZ(90.1466, 95.9017, 89.6668)
contains.

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Color

**XYZ(90.1610, 96.0239,
89.3838)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBE7
RGB	255, 251, 231
RGB Percent	100%, 98%, 91%
CMY	0.0000, 0.0157, 0.0941
CMYK	0.00, 0.02, 0.09, 0.00
HSL	50°, 100%, 95%
HSV	50°, 9%, 100%
XYZ	90.1610, 96.0239, 89.3838
YIQ	249.9160, 8.8040, -5.3720

Conversions

Conversions Part 2

Format	Color
R _Y B	236, 255, 231
Decimal	16776167
CIE Lab	98.44, -2.00, 10.05
CIE LCh	98, 10.243, 101.272
Yxy	96.0239, 0.3272, 0.3485
Android (android.graphics.Color)	4294966247 (0xFFFFFBE7)
YUV	249.9160, -9.3256, 4.4587
Hunter-Lab	97.9918, -7.2500, 14.5125

Details

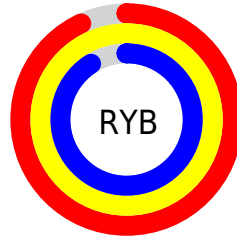
The XYZ color 90.1610, 96.0239, 89.3838 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.7127, 83.6234, 106.4947, and the grayscale version is 90.8685, 95.6007, 104.1092.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.5417, 54.1311, 48.3420 is the 20% darker color. If you saturate the color by 10%, you get 85.5083, 92.0684, 71.3400, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

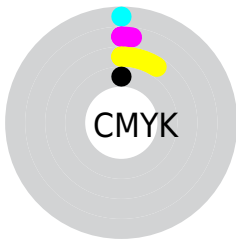
Distribution



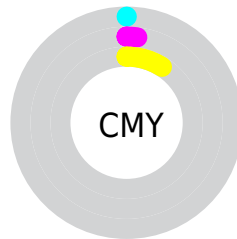
- Red (100%)
- Green (98%)
- Blue (91%)



- Red (93%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 90.1610, 96.0239, 89.3838 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 90.1610, 96.0239, 89.3838 by changing the saturation by 10% instead.


 90.1610, 96.0239,
89.3838

 90.1610, 96.0239,
89.3838


516.7845,
547.4377, 546.5426

 68.4509, 72.9875,
66.8989


146.4392,
155.6784, 148.4102

 50.5397, 53.9657,
48.5414


181.7381,
193.0653, 185.7887

 36.0619, 38.5742,
33.8928


222.2972,
236.0044, 228.9689

 24.6524, 26.4287,
22.5345

268.4819,
284.8801, 278.3692

 15.9456, 17.1446,
14.0481

320.6577,
340.0770, 334.4081

 9.5763, 10.3377,
8.0150

379.1898,

 5.1790, 5.6234,

401.9792, 397.5044

4.0166

444.4436,
470.9714, 468.0763

■ 2.3885, 2.6175,
1.6345

■ 0.8394, 0.9355,
0.3152

■ 90.1610, 96.0239,
89.3838

■ 90.1610, 96.0239,
89.3838

■ 85.5083, 92.0684,
71.3400

95.0500, 100.0000,
108.9000

■ 81.3852, 88.3689,
55.9485

■ 77.7693, 84.9192,
43.0836

■ 74.6343, 81.7085,
32.6072

■ 71.9512, 78.7249,
24.3676

■ 69.6877, 75.9551,
18.1959

■ 67.8070, 73.3840,
13.8991

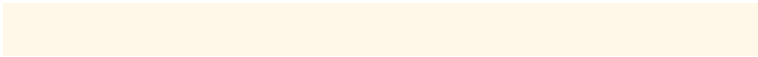
■ 66.2653, 70.9940,
11.2477

■ 64.9954, 68.7576,
9.8891

Harmonies

Analogous

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



93.1056, 96.0239, 89.8784



90.1610, 96.0239, 89.3838



87.5685, 96.0239, 92.7867

Triad

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



90.1610, 96.0239, 89.3838



87.0609, 96.0239, 115.6667



96.7590, 96.0239, 109.8695

Complementary

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



90.1610, 96.0239, 89.3838



80.7127, 83.6234, 106.4947

Split Complementary

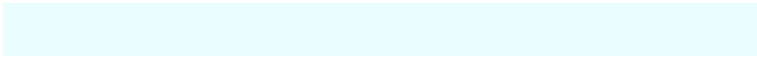
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.0699, 96.0239, 117.2757



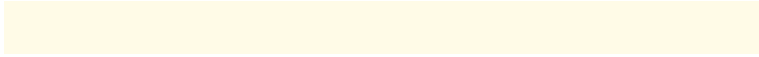
90.1610, 96.0239, 89.3838



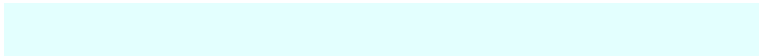
89.4545, 96.0239, 120.7454

Square

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



90.1610, 96.0239, 89.3838



85.8047, 96.0239, 107.7689



92.3837, 96.0239, 121.3496



96.9581, 96.0239, 101.4031

Rectangle

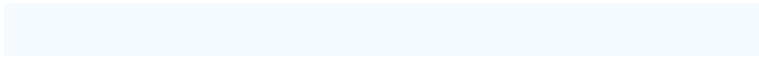
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1610, 96.0239, 89.3838



86.3723, 96.0239, 96.9208



92.3837, 96.0239, 121.3496



96.3450, 96.0239, 112.5772

Sweetspot

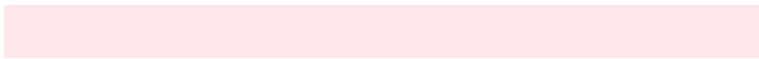
The Sweet Spot groups the original color and five complimentary colors.



90.1632, 96.0279, 89.3858



93.4378, 98.7074, 102.4069



84.8121, 84.4111, 90.4214



19.9092, 21.0544, 21.5571



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.



90.1632, 96.0279, 89.3858



89.3871, 95.3810, 86.3360



88.5421, 97.0639, 89.6713



19.2888, 20.5457, 19.0934



34.0196, 36.0505, 5.1654



3.3777, 3.6407, 0.5247

Inverse Universe

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



80.7127, 83.6234, 106.4947



78.4620, 81.0412, 106.1149



82.2235, 82.7238, 106.2414



17.2472, 17.8660, 22.7894



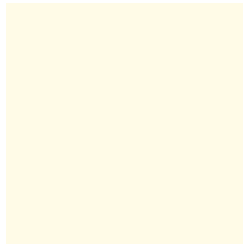
9.9434, 4.7964, 49.8363



1.0336, 0.5978, 4.8742

Previews

White Background



This preview shows how the XYZ color 90.1610, 96.0239, 89.3838 looks on a white background.

Color Contrast Check

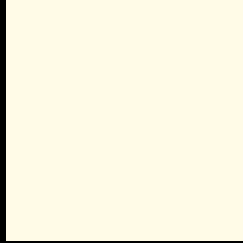
Large Text (above 18pt) WCAG AA × Fail

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 90.1610, 96.0239, 89.3838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

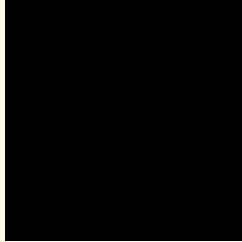
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 90.1610, 96.0239, 89.3838

Background



This preview shows how black text looks on a background with the XYZ color 90.1610, 96.0239, 89.3838.

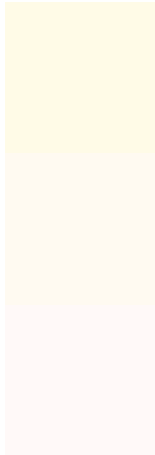


This preview shows how white text looks on a background with the XYZ color 90.1610, 96.0239,

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

90.1610, 96.0239, 89.3838

Protanopia

91.3028, 95.9821, 96.9333

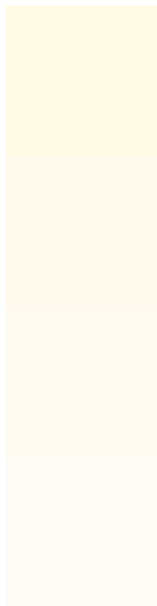
Deuteranopia

92.0590, 95.7887, 102.4440

Tritanopia

92.4337, 95.8540, 108.2376

Trichromacy



Original Color

90.1610, 96.0239, 89.3838

Protanomaly

90.7117, 95.7456, 93.8205

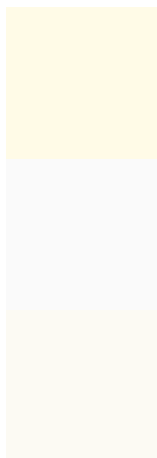
Deuteranomaly

91.4526, 96.0420, 97.7223

Tritanomaly

91.6932, 96.0959, 100.9044

Monochromacy



Original Color

90.1610, 96.0239, 89.3838

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 90.1610, 96.0239, 89.3838 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 231) }
```

Border

The CSS property to change the border of an element to XYZ 90.1610, 96.0239, 89.3838 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, 231) }
```


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

```
.border{ border-color:rgb(255, 251, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 90.1610, 96.0239, 89.3838 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, 231) }
```

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

```
.background{ background-color: rgb(255,  
251, 231) }
```

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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