

Converting Colors

XYZ(90.0451, 88.2808,
104.1499)

Have a look what the booklet for
XYZ(90.0451, 88.2808, 104.1499)
contains.

XYZ(88.2335, 87.1339, 104.2636)	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(88.2335, 87.1339,
104.2636)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAFC
RGB	255, 234, 252
RGB Percent	100%, 92%, 99%
CMY	0.0000, 0.0823, 0.0118
CMYK	0.00, 0.08, 0.01, 0.00
HSL	309°, 100%, 96%
HSV	309°, 8%, 100%
XYZ	88.2335, 87.1339, 104.2636
YIQ	242.3310, 6.7380, 10.0500

Conversions

Conversions Part 2

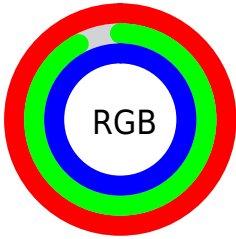
Format	Color
R _Y B	255, 234, 252
Decimal	16771836
CIE Lab	94.80, 10.19, -6.10
CIE LCh	95, 11.879, 329.075
Yxy	87.1339, 0.3155, 0.3116
Android (android.graphics.Color)	4294961916 (0xFFFFEAF0)
YUV	242.3310, 4.7668, 11.1107
Hunter-Lab	93.3455, 5.3698, -0.8829

Details

The XYZ color **88.2335, 87.1339, 104.2636** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9803, 95.1281, 94.0067**, and the grayscale version is **84.6217, 89.0286, 96.9521**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0594, 47.7867, 58.2678** is the 20% darker color. If you saturate the color by 10%, you get **80.9186, 73.4185, 99.0061**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

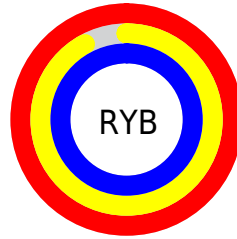
Distribution



Red (100%)

Green (92%)

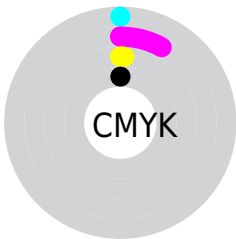
Blue (99%)



Red (100%)

Yellow (92%)

Blue (99%)

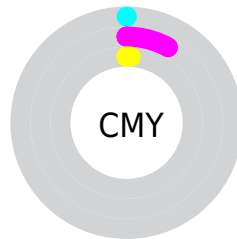


Cyan (0%)

Magenta (8%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 88.2335, 87.1339, 104.2636 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 88.2335, 87.1339, 104.2636 by changing the saturation by 10% instead.

88.2335, 87.1339,
104.2636

88.2335, 87.1339,
104.2636

510.5916,
518.6628, 595.1404

66.8479, 65.6060,
79.2293

143.7731,
143.3508, 169.1069

49.2313, 47.9526,
58.5620

178.6577,
178.8085, 209.7530

35.0183, 33.7894,
41.8429

218.7728,
219.6784, 256.4402

23.8435, 22.7319,
28.6537

264.4836,
266.3447, 309.5869

15.3417, 14.3956,
18.5757

316.1555,
319.1919, 369.6118

9.1474, 8.3963,
11.1904

374.1539,

4.8953, 4.3496,

378.6044, 436.9333

6.0792

438.8442,
444.9666, 511.9700

■ 2.2201, 1.8710,
2.8238

■ 0.7533, 0.5308,
1.0054

■ 88.2335, 87.1339,
104.2636

■ 88.2335, 87.1339,
104.2636

■ 80.9186, 73.4185,
99.0061

95.0500, 100.0000,
108.9000

■ 74.6130, 61.7047,
94.1381

■ 69.2712, 51.9009,
89.6453

■ 64.8416, 43.9039,
85.5102

■ 61.2677, 37.6012,
81.7137

■ 58.4868, 32.8673,
78.2347

■ 56.4276, 29.5596,
75.0489

■ 55.0056, 27.5093,
72.1280

■ 54.1046, 26.4841,
69.4328

Harmonies

Analogous

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



85.8578, 87.1339, 111.1986



88.2335, 87.1339, 104.2636



89.1523, 87.1339, 95.1601

Triad

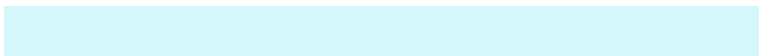
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2335, 87.1339, 104.2636



82.9180, 87.1339, 78.2549



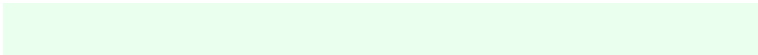
77.5335, 87.1339, 103.7374

Complementary

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



88.2335, 87.1339, 104.2636



84.9803, 95.1281, 94.0067

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.



76.7914, 87.1339, 94.5885



88.2335, 87.1339, 104.2636



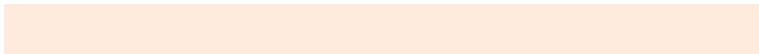
79.8511, 87.1339, 80.2308

Square

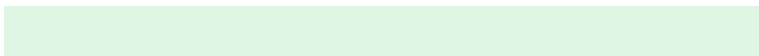
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



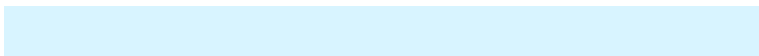
88.2335, 87.1339, 104.2636



86.0349, 87.1339, 80.4867



77.6291, 87.1339, 86.0658



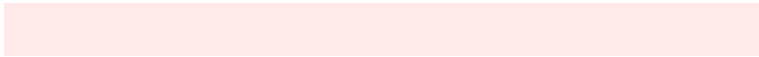
79.6826, 87.1339, 110.8812

Rectangle

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



88.2335, 87.1339, 104.2636



88.7972, 87.1339, 89.2067



77.6291, 87.1339, 86.0658



77.1137, 87.1339, 100.7764

Sweetspot

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



88.2354, 87.1374, 104.2655



93.3275, 96.7423, 107.7484



82.3345, 84.0400, 106.4896



19.9940, 20.7409, 23.0747



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.



88.2354, 87.1374, 104.2655



86.8670, 84.5634, 103.3070



86.6470, 86.5020, 95.9011



18.6745, 18.2531, 22.1692



28.2438, 13.7868, 36.2638



2.7792, 1.3541, 3.6849

Inverse Universe

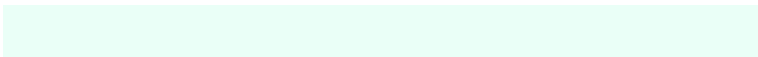
The Inverse Universe completely reimagines the original color for something new.



88.2354, 87.1374, 104.2655



86.8670, 84.5634, 103.3070



86.5288, 95.7475, 102.1609



18.6745, 18.2531, 22.1692



28.2438, 13.7868, 36.2638



2.7792, 1.3541, 3.6849

Previews

White Background



This preview shows how the XYZ color 88.2335, 87.1339, 104.2636 looks on a white background.

Color Contrast Check

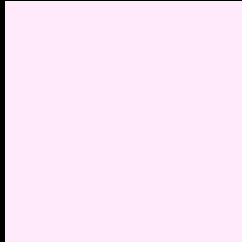
Large Text (above 18pt) WCAG AA × Fail

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 88.2335, 87.1339, 104.2636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

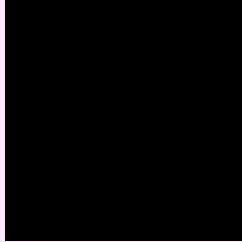
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.2335, 87.1339, 104.2636

Background



This preview shows how black text looks on a background with the XYZ color 88.2335, 87.1339, 104.2636.



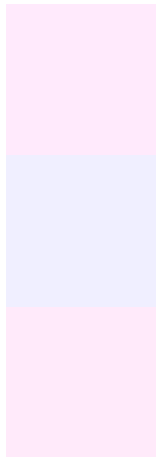
This preview shows how white text looks on a background with the XYZ color 88.2335, 87.1339,

104.2536.

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

88.2335, 87.1339, 104.2636

Protanopia

84.8517, 87.4783, 107.0206

Deuteranopia

87.9181, 87.0078, 102.6029



Tritanopia

88.2335, 87.1339, 104.2636

Trichromacy



Original Color

88.2335, 87.1339, 104.2636

Protanomaly

85.8298, 87.1366, 106.0613

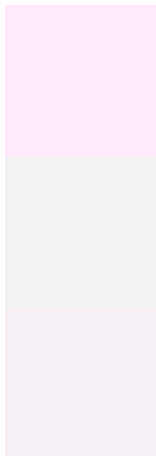
Deuteranomaly

88.0754, 87.0707, 103.4310

Tritanomaly

88.2335, 87.1339, 104.2636

Monochromacy



Original Color

88.2335, 87.1339, 104.2636

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.8588, 88.1610, 99.6803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.2335, 87.1339, 104.2636 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, 234, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 252)  
}
```

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, 234, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 252) }
```

Border

The CSS property to change the border of an element to XYZ 88.2335, 87.1339, 104.2636 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, 234, 252) }
```


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

```
.border{ border-color:rgb(255, 234, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 88.2335, 87.1339, 104.2636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 252) }
```

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

```
.background{ background-color: rgb(255,  
234, 252) }
```

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