

Converting Colors

XYZ(87.6829, 86.0334,
104.0777)

Have a look what the booklet for
XYZ(87.6829, 86.0334, 104.0777)
contains.

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Color

**XYZ(87.6673, 86.0015,
104.0748)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8FC
RGB	255, 232, 252
RGB Percent	100%, 91%, 99%
CMY	0.0000, 0.0902, 0.0118
CMYK	0.00, 0.09, 0.01, 0.00
HSL	308°, 100%, 95%
HSV	308°, 9%, 100%
XYZ	87.6673, 86.0015, 104.0748
YIQ	241.1570, 7.2880, 11.0960

Conversions

Conversions Part 2

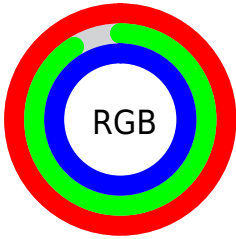
Format	Color
R _Y B	255, 232, 252
Decimal	16771324
CIE Lab	94.31, 11.22, -6.82
CIE LCh	94, 13.131, 328.724
Yxy	86.0015, 0.3156, 0.3096
Android (android.graphics.Color)	4294961404 (0xFFFFE8FC)
YUV	241.1570, 5.3456, 12.1403
Hunter-Lab	92.7370, 6.4521, -1.6228

Details

The XYZ color **87.6673, 86.0015, 104.0748** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.0367, 94.6752, 92.4456**, and the grayscale version is **83.6897, 88.0481, 95.8843**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6644, 46.9966, 58.1361** is the 20% darker color. If you saturate the color by 10%, you get **80.4817, 72.4660, 99.1034**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

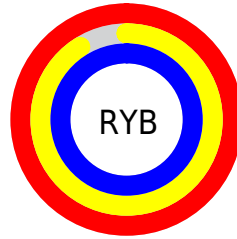
Distribution



Red (100%)

Green (91%)

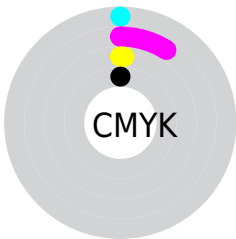
Blue (99%)



Red (100%)

Yellow (91%)

Blue (99%)

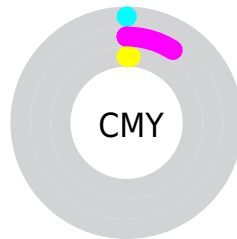


Cyan (0%)

Magenta (9%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6673, 86.0015, 104.0748 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 87.6673, 86.0015, 104.0748 by changing the saturation by 10% instead.

87.6673, 86.0015,
104.0748

87.6673, 86.0015,
104.0748

508.7648,
514.9362, 594.5372

66.3774, 64.6692,
79.0721

142.9888,
141.7716, 168.8462

48.8477, 47.1929,
58.4335

177.7511,
176.9782, 209.4521

34.7127, 33.1882,
41.7402

217.7350,
217.5783, 256.0961

23.6071, 22.2706,
28.5739

263.3057,
263.9564, 309.1968

15.1656, 14.0559,
18.5159

314.8287,
316.4968, 369.1727

9.0228, 8.1596,
11.1478

372.6694,

4.8133, 4.1972,

375.5840, 436.4424

6.0509

437.1929,
441.6023, 511.4244

■ 2.1717, 1.7845,
2.8068

■ 0.7278, 0.4775,
0.9968

■ 87.6673, 86.0015,
104.0748

■ 87.6673, 86.0015,
104.0748

■ 80.4817, 72.4660,
99.1034

95.0500, 100.0000,
108.9000

■ 74.3001, 60.9242,
94.5108

■ 69.0766, 51.2838,
90.2826

■ 64.7591, 43.4411,
86.4012

■ 61.2910, 37.2826,
82.8475

■ 58.6090, 32.6818,
79.6001

■ 56.6407, 29.4943,
76.6348

■ 55.3005, 27.5488,
73.9227

■ 54.4619, 26.5923,
71.4214

Harmonies

Analogous

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



85.0398, 86.0015, 111.6990



87.6673, 86.0015, 104.0748



88.7007, 86.0015, 94.0735

Triad

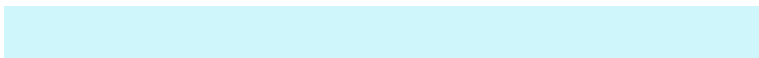
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6673, 86.0015, 104.0748



81.8927, 86.0015, 75.5591



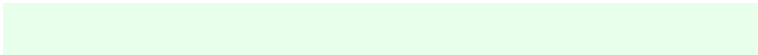
75.9460, 86.0015, 103.2744

Complementary

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



87.6673, 86.0015, 104.0748



84.0367, 94.6752, 92.4456

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.



75.1568, 86.0015, 93.2099



87.6673, 86.0015, 104.0748



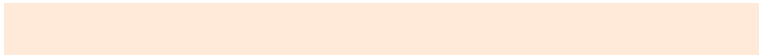
78.5303, 86.0015, 77.6424

Square

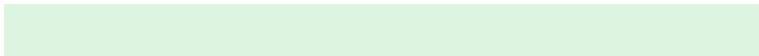
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



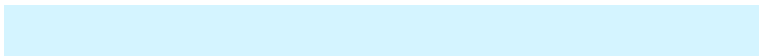
87.6673, 86.0015, 104.0748



85.3082, 86.0015, 78.0241



76.0896, 86.0015, 83.9290



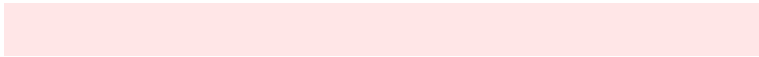
78.2763, 86.0015, 111.2141

Rectangle

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



87.6673, 86.0015, 104.0748



88.3245, 86.0015, 87.5522



76.0896, 86.0015, 83.9290



75.4946, 86.0015, 100.0058

Sweetspot

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



87.6692, 86.0049, 104.0766



92.4977, 95.1517, 107.2589



81.0665, 82.5457, 106.2680



19.6558, 20.0960, 22.8653



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.



87.6692, 86.0049, 104.0766



86.1620, 83.1575, 103.0596



85.9486, 85.3167, 95.0162



18.6847, 18.2572, 22.2229



28.4602, 13.8734, 37.4036



2.7982, 1.3617, 3.7849

Inverse Universe

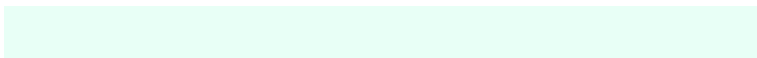
The Inverse Universe completely reimagines the original color for something new.



87.6692, 86.0049, 104.0766



86.1620, 83.1575, 103.0596



85.7037, 95.3420, 101.2240



18.6847, 18.2572, 22.2229



28.4602, 13.8734, 37.4036



2.7982, 1.3617, 3.7849

Previews

White Background



This preview shows how the XYZ color 87.6673, 86.0015, 104.0748 looks on a white background.

Color Contrast Check

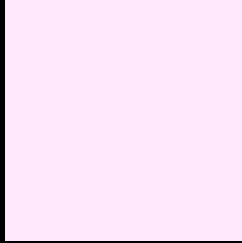
Large Text (above 18pt) WCAG AA × Fail

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 87.6673, 86.0015, 104.0748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

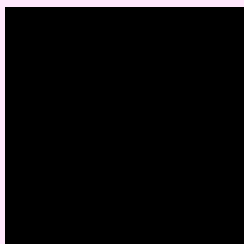
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.6673, 86.0015, 104.0748

Background



This preview shows how black text looks on a background with the XYZ color 87.6673, 86.0015, 104.0748.



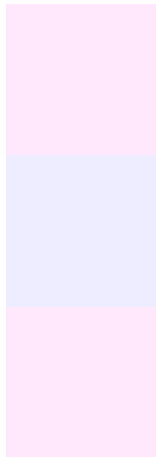
This preview shows how white text looks on a background with the XYZ color 87.6673, 86.0015,

104.0748.

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

87.6673, 86.0015, 104.0748

Protanopia

83.5941, 85.9655, 106.7949

Deuteranopia

87.5092, 85.9383, 103.2423



Tritanopia

87.3519, 85.8754, 102.4141

Trichromacy



Original Color

87.6673, 86.0015, 104.0748

Protanomaly

84.9060, 85.8055, 105.8530

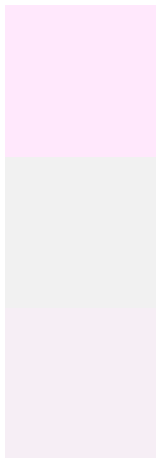
Deuteranomaly

87.5092, 85.9383, 103.2423

Tritanomaly

87.5092, 85.9383, 103.2423

Monochromacy



Original Color

87.6673, 86.0015, 104.0748

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

85.0620, 87.3345, 98.7602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6673, 86.0015, 104.0748 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, 232, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 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, 232, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 252) }
```

Border

The CSS property to change the border of an element to XYZ 87.6673, 86.0015, 104.0748 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, 232, 252) }
```


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

```
.border{ border-color:rgb(255, 232, 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, 232, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6673, 86.0015, 104.0748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 252) }
```

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

```
.background{ background-color: rgb(255,  
232, 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](#).

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