

Converting Colors

XYZ(87.4496, 87.5640, 97.8432)

Have a look what the booklet for
XYZ(87.4496, 87.5640, 97.8432)
contains.

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Color

**XYZ(87.5646, 87.7826,
97.9165)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECF4
RGB	255, 236, 244
RGB Percent	100%, 93%, 96%
CMY	0.0000, 0.0745, 0.0431
CMYK	0.00, 0.07, 0.04, 0.00
HSL	335°, 100%, 96%
HSV	335°, 7%, 100%
XYZ	87.5646, 87.7826, 97.9165
YIQ	242.5930, 8.7560, 6.5160

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 236, 244
Decimal	16772340
CIE Lab	95.07, 7.77, -1.55
CIE LCh	95, 7.925, 348.738
Yxy	87.7826, 0.3204, 0.3212
Android (android.graphics.Color)	4294962420 (0xFFFFEFC4)
YUV	242.5930, 0.6937, 10.8809
Hunter-Lab	93.6924, 2.8639, 3.6216

Details

The XYZ color **87.5646, 87.7826, 97.9165** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1433, 96.0696, 101.9497**, and the grayscale version is **84.8597, 89.2790, 97.2248**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6871, 48.2791, 54.3297** is the 20% darker color. If you saturate the color by 10%, you get **78.5876, 73.2738, 84.3027**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



Red (100%)

Green (93%)

Blue (96%)



Red (100%)

Yellow (93%)

Blue (96%)



Cyan (0%)

Magenta (7%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.5646, 87.7826, 97.9165 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 87.5646, 87.7826, 97.9165 by changing the saturation by 10% instead.


 87.5646, 87.7826,
97.9165

 87.5646, 87.7826,
97.9165


508.4331,
520.7910, 574.6814

 66.2921, 66.1430,
73.9545


142.8465,
144.2545, 160.3178

 48.7782, 48.3885,
54.2602


177.5866,
179.8555, 199.5943

 34.6573, 34.1347,
38.4152


217.5466,
220.8792, 244.8126

 23.5643, 22.9971,
26.0007

263.0919,
267.7100, 296.3913

 15.1337, 14.5913,
16.5984

314.5879,
320.7321, 354.7490

 9.0002, 8.5331,
9.7897

372.3998,

 4.7984, 4.4379,

380.3301, 420.3043

5.1560

436.8931,
446.8883, 493.4755

■ 2.1630, 1.9214,
2.2787

■ 0.7231, 0.5612,
0.7193

■ 87.5646, 87.7826,
97.9165

■ 87.5646, 87.7826,
97.9165

■ 78.5876, 73.2738,
84.3027

95.0500, 100.0000,
108.9000

■ 70.7880, 60.8396,
71.9458

■ 64.1161, 50.3870,
60.8089

■ 58.5164, 41.8121,
50.8513

■ 53.9281, 35.0010,
42.0295

■ 50.2844, 29.8277,
34.2969

■ 47.5093, 26.1490,
27.6028

■ 45.5145, 23.7965,
21.8908

■ 44.1859, 22.5513,
17.0946

Harmonies

Analogous

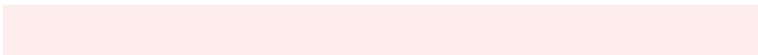
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5882, 87.7826, 103.6216



87.5646, 87.7826, 97.9165



87.4203, 87.7826, 91.8189

Triad

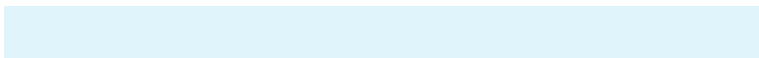
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5646, 87.7826, 97.9165



82.1108, 87.7826, 84.7777



80.7319, 87.7826, 104.7805

Complementary

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



87.5646, 87.7826, 97.9165



87.1433, 96.0696, 101.9497

Split Complementary

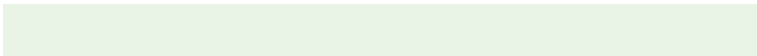
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5722, 87.7826, 99.4432



87.5646, 87.7826, 97.9165



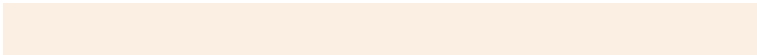
80.3588, 87.7826, 87.9662

Square

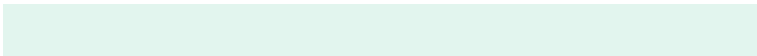
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



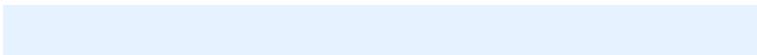
87.5646, 87.7826, 97.9165



84.2465, 87.7826, 84.4086



79.4368, 87.7826, 93.2816



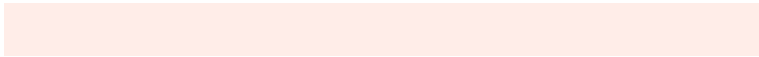
82.6282, 87.7826, 107.6967

Rectangle

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



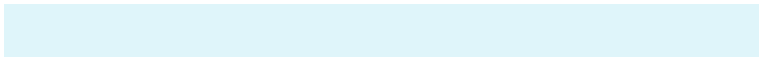
87.5646, 87.7826, 97.9165



86.7085, 87.7826, 88.3456



79.4368, 87.7826, 93.2816



80.2444, 87.7826, 103.1997

Sweetspot

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



87.5666, 87.7862, 97.9184



92.9727, 96.6003, 105.8799



86.3237, 86.9466, 106.8404



19.9218, 20.7121, 22.6944



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

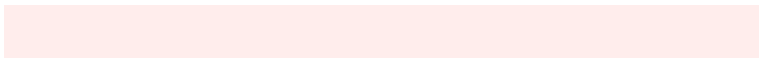
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5666, 87.7862, 97.9184



86.0943, 85.3948, 95.7220



86.7443, 88.0427, 91.7835



18.3266, 18.1140, 20.3370



23.0156, 11.6955, 8.7323



2.2941, 1.1600, 1.1300

Inverse Universe

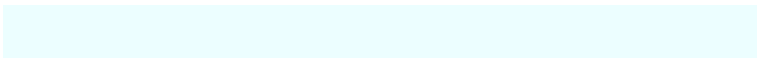
The Inverse Universe completely reimagines the original color for something new.



87.5666, 87.7862, 97.9184



86.0943, 85.3948, 95.7220



88.0015, 95.7686, 108.4548



18.3266, 18.1140, 20.3370



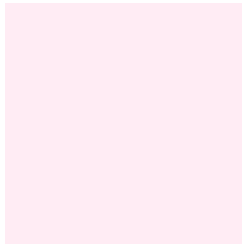
23.0156, 11.6955, 8.7323



2.2941, 1.1600, 1.1300

Previews

White Background



This preview shows how the XYZ color 87.5646, 87.7826, 97.9165 looks on a white background.

Color Contrast Check

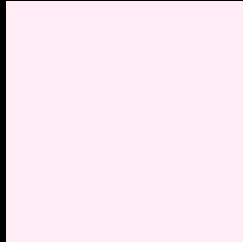
Large Text (above 18pt) WCAG AA × Fail

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 87.5646, 87.7826, 97.9165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

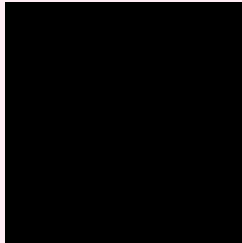
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.5646, 87.7826, 97.9165

Background



This preview shows how black text looks on a background with the XYZ color 87.5646, 87.7826, 97.9165.

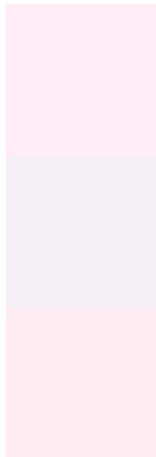


This preview shows how white text looks on a background with the XYZ color 87.5646, 87.7826,

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

87.5646, 87.7826, 97.9165

Protanopia

85.1029, 88.2071, 99.7290

Deuteranopia

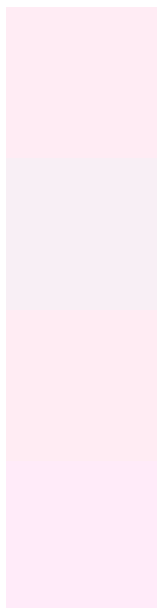
87.4131, 87.7220, 97.1189



Tritanopia

88.5190, 87.7049, 104.3588

Trichromacy



Original Color

87.5646, 87.7826, 97.9165

Protanomaly

86.0593, 88.2820, 98.8905

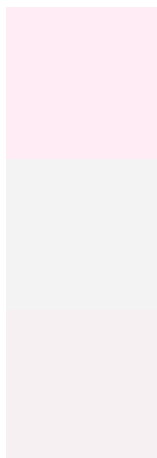
Deuteranomaly

87.4131, 87.7220, 97.1189

Tritanomaly

88.0472, 87.5162, 101.8743

Monochromacy



Original Color

87.5646, 87.7826, 97.9165

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.6955, 88.5654, 97.3722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5646, 87.7826, 97.9165 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, 236, 244) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 244)  
}
```

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, 236, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 244) }
```

Border

The CSS property to change the border of an element to XYZ 87.5646, 87.7826, 97.9165 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, 236, 244) }
```


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

```
.border{ border-color:rgb(255, 236, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 236, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 236, 244); box-shadow:4px 4px 4px 4px rgb(255, 236, 244) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5646, 87.7826, 97.9165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 244) }
```

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

```
.background{ background-color: rgb(255,  
236, 244) }
```

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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