

Converting Colors

XYZ(87.7572, 87.6471, 96.4046)

Have a look what the booklet for
XYZ(87.7572, 87.6471, 96.4046)
contains.

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Color

**XYZ(86.9753, 87.0875,
96.2299)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBF2
RGB	255, 235, 242
RGB Percent	100%, 92%, 95%
CMY	0.0000, 0.0784, 0.0510
CMYK	0.00, 0.08, 0.05, 0.00
HSL	339°, 100%, 96%
HSV	339°, 8%, 100%
XYZ	86.9753, 87.0875, 96.2299
YIQ	241.7780, 9.6730, 6.4170

Conversions

Conversions Part 2

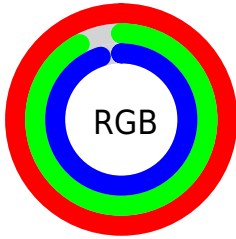
Format	Color
R _Y B	255, 235, 242
Decimal	16772082
CIE Lab	94.78, 7.95, -0.94
CIE LCh	95, 8.001, 353.255
Yxy	87.0875, 0.3218, 0.3222
Android (android.graphics.Color)	4294962162 (0xFFFFEBF2)
YUV	241.7780, 0.1094, 11.5957
Hunter-Lab	93.3207, 3.0516, 4.1861

Details

The XYZ color **86.9753, 87.0875, 96.2299** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9670, 95.9608, 102.7492**, and the grayscale version is **84.2182, 88.6042, 96.4899**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2717, 47.7911, 53.1348** is the 20% darker color. If you saturate the color by 10%, you get **77.8133, 72.5691, 81.4436**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

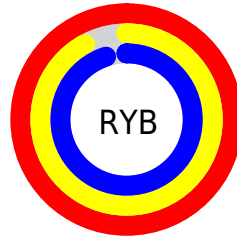
Distribution



Red (100%)

Green (92%)

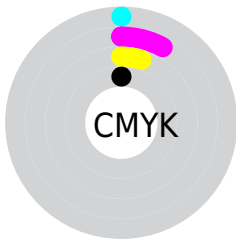
Blue (95%)



Red (100%)

Yellow (92%)

Blue (95%)

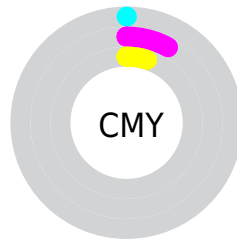


Cyan (0%)

Magenta (8%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.9753, 87.0875, 96.2299 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 86.9753, 87.0875, 96.2299 by changing the saturation by 10% instead.


 86.9753, 87.0875,
96.2299

 86.9753, 87.0875,
96.2299


506.5275,
518.5103, 569.1795

 65.8027, 65.5676,
72.5565


142.0296,
143.2861, 157.9728

 48.3794, 47.9215,
53.1238


176.6419,
178.7336, 196.8795

 34.3399, 33.7647,
37.5132

216.4650,
219.5924, 241.7009

 23.3190, 22.7129,
25.3062

261.8640,
266.2470, 292.8557

 14.9512, 14.3817,
16.0842

313.2045,
319.0817, 350.7625

 8.8712, 8.3866,
9.4288

370.8516,

 4.7137, 4.3433,

378.4808, 415.8397

4.9213

435.1708,
444.8289, 488.5058

■ 2.1133, 1.8674,
2.1432

■ 0.6964, 0.5287,
0.6413

■ 86.9753, 87.0875,
96.2299

■ 86.9753, 87.0875,
96.2299

■ 77.8133, 72.5691,
81.4436

95.0500, 100.0000,
108.9000

■ 69.8713, 60.1393,
68.1469

■ 63.0975, 49.7044,
56.2931

■ 57.4342, 41.1591,
45.8309

■ 52.8183, 34.3883,
36.7055

■ 49.1804, 29.2646,
28.8583

■ 46.4419, 25.6429,
22.2255

■ 44.5108, 23.3526,
16.7363

■ 43.2667, 22.1663,
12.3076

Harmonies

Analogous

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



86.1532, 87.0875, 102.1327



86.9753, 87.0875, 96.2299



86.6561, 87.0875, 90.1959

Triad

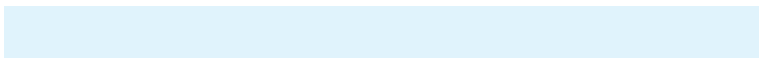
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9753, 87.0875, 96.2299



81.1421, 87.0875, 84.2911



80.3097, 87.0875, 104.6964

Complementary

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



86.9753, 87.0875, 96.2299



86.9670, 95.9608, 102.7492

Split Complementary

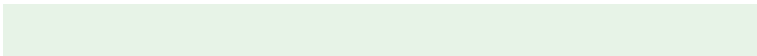
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0098, 87.0875, 99.6067



86.9753, 87.0875, 96.2299



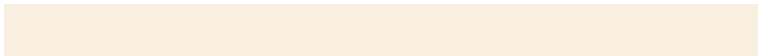
79.4845, 87.0875, 87.8716

Square

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



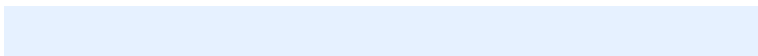
86.9753, 87.0875, 96.2299



83.2637, 87.0875, 83.4749



78.7103, 87.0875, 93.4308



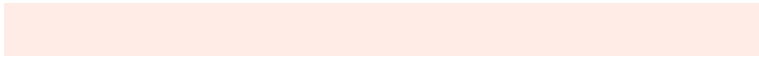
82.2863, 87.0875, 107.1566

Rectangle

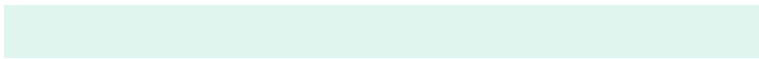
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



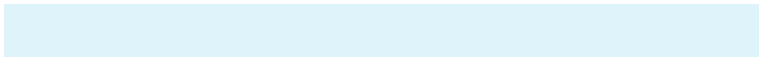
86.9753, 87.0875, 96.2299



85.8416, 87.0875, 86.8898



78.7103, 87.0875, 93.4308



79.7805, 87.0875, 103.2259

Sweetspot

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



86.9773, 87.0911, 96.2318



92.9152, 96.5774, 105.5776



86.4723, 86.5970, 106.7651



19.9101, 20.7074, 22.6329



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

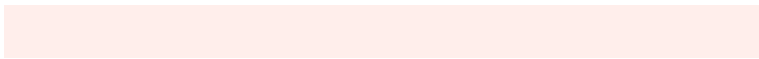
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9773, 87.0911, 96.2318



85.8507, 85.2974, 94.4395



86.8123, 88.4106, 91.0914



18.2718, 18.0920, 20.0484



22.5594, 11.5130, 6.3301



2.2459, 1.1407, 0.8764

Inverse Universe

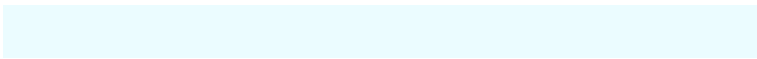
The Inverse Universe completely reimagines the original color for something new.



86.9773, 87.0911, 96.2318



85.8507, 85.2974, 94.4395



87.1237, 94.5046, 108.2570



18.2718, 18.0920, 20.0484



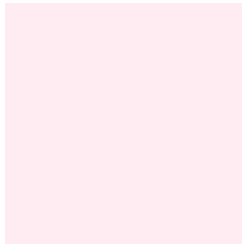
22.5594, 11.5130, 6.3301



2.2459, 1.1407, 0.8764

Previews

White Background



This preview shows how the XYZ color 86.9753, 87.0875, 96.2299 looks on a white background.

Color Contrast Check

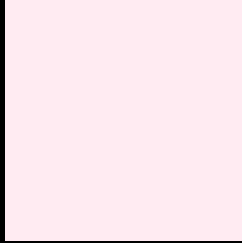
Large Text (above 18pt) WCAG AA × Fail

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 86.9753, 87.0875, 96.2299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

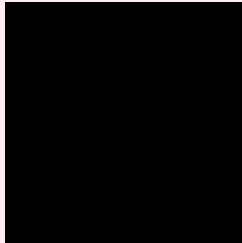
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.9753, 87.0875, 96.2299

Background



This preview shows how black text looks on a background with the XYZ color 86.9753, 87.0875, 96.2299.

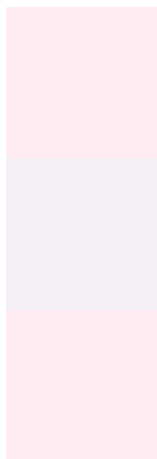


This preview shows how white text looks on a background with the XYZ color 86.9753, 87.0875,

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

86.9753, 87.0875, 96.2299

Protanopia

84.1578, 87.3193, 98.0067

Deuteranopia

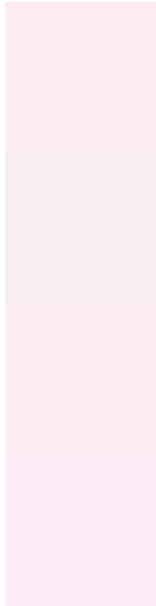
86.9753, 87.0875, 96.2299



Tritanopia

88.0754, 87.0707, 103.4310

Trichromacy



Original Color

86.9753, 87.0875, 96.2299

Protanomaly

85.1100, 87.3943, 97.1770

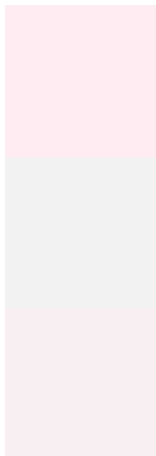
Deuteranomaly

86.9753, 87.0875, 96.2299

Tritanomaly

87.6061, 86.8829, 100.9597

Monochromacy



Original Color

86.9753, 87.0875, 96.2299

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.2513, 87.9180, 96.4810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9753, 87.0875, 96.2299 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, 235, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 242)  
}
```

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, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 242) }
```

Border

The CSS property to change the border of an element to XYZ 86.9753, 87.0875, 96.2299 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, 235, 242) }
```


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

```
.border{ border-color:rgb(255, 235, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9753, 87.0875, 96.2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 242) }
```

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

```
.background{ background-color: rgb(255,  
235, 242) }
```

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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