

Converting Colors

XYZ(89.0100, 88.6679, 95.1245)

Have a look what the booklet for XYZ(89.0100, 88.6679, 95.1245) contains.

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Color

**XYZ(86.9636, 87.5422,
94.7519)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECF0
RGB	255, 236, 240
RGB Percent	100%, 93%, 94%
CMY	0.0000, 0.0745, 0.0588
CMYK	0.00, 0.07, 0.06, 0.00
HSL	347°, 100%, 96%
HSV	347°, 7%, 100%
XYZ	86.9636, 87.5422, 94.7519
YIQ	242.1370, 10.0400, 5.2720

Conversions

Conversions Part 2

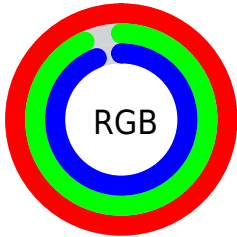
Format	Color
R _Y B	255, 236, 240
Decimal	16772336
CIE Lab	94.97, 7.09, 0.38
CIE LCh	95, 7.104, 3.065
Yxy	87.5422, 0.3230, 0.3251
Android (android.graphics.Color)	4294962416 (0xFFFFEFCF0)
YUV	242.1370, -1.0535, 11.2809
Hunter-Lab	93.5640, 2.1709, 5.4520

Details

The XYZ color **86.9636, 87.5422, 94.7519** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.7674, 96.3192, 105.2362**, and the grayscale version is **84.5109, 88.9120, 96.8252**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2617, 48.1090, 52.0897** is the 20% darker color. If you saturate the color by 10%, you get **77.3122, 72.7637, 77.5869**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

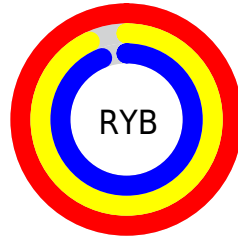
Distribution



Red (100%)

Green (93%)

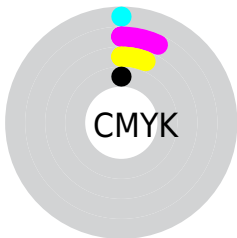
Blue (94%)



Red (100%)

Yellow (93%)

Blue (94%)

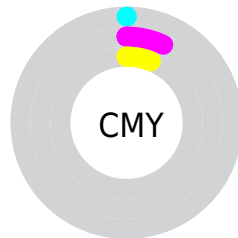


Cyan (0%)

Magenta (7%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.9636, 87.5422, 94.7519 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 86.9636, 87.5422, 94.7519 by changing the saturation by 10% instead.

 86.9636, 87.5422,
94.7519

 86.9636, 87.5422,
94.7519


506.4896,
520.0029, 564.3344

 65.7930, 65.9440,
71.3328


142.0133,
143.9196, 155.9144

 48.3715, 48.2269,
52.1303

176.6232,
179.4677, 194.4949

 34.3336, 34.0066,
36.7260


216.4435,
220.4344, 238.9662

 23.3141, 22.8987,
24.7013

261.8396,
267.2043, 289.7469

 14.9476, 14.5187,
15.6376

313.1770,
320.1617, 347.2555

 8.8687, 8.4823,
9.1165

370.8208,

 4.7121, 4.4051,

379.6910, 411.9107

4.7194

435.1366,
446.1766, 484.1308

■ 2.1123, 1.9026,
2.0278

■ 0.6959, 0.5500,
0.5723

■ 86.9636, 87.5422,
94.7519

■ 86.9636, 87.5422,
94.7519

■ 77.3122, 72.7637,
77.5869

95.0500, 100.0000,
108.9000

■ 68.9840, 60.1180,
62.4462

■ 61.9222, 49.5095,
49.2560

■ 56.0638, 40.8310,
37.9359

■ 51.3399, 33.9657,
28.3997

■ 47.6747, 28.7838,
20.5545

■ 44.9828, 25.1384,
14.2983

■ 43.1648, 22.8566,
9.5175

■ 42.0943, 21.7147,
6.0803

Harmonies

Analogous

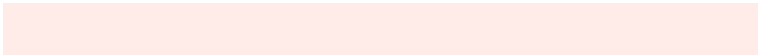
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5555, 87.5422, 100.2096



86.9636, 87.5422, 94.7519



86.3521, 87.5422, 89.6420

Triad

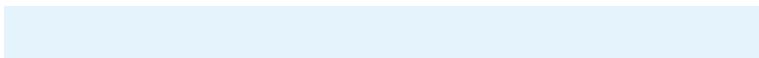
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9636, 87.5422, 94.7519



81.1998, 87.5422, 86.6942



81.5381, 87.5422, 105.1016

Complementary

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



86.9636, 87.5422, 94.7519



87.7674, 96.3192, 105.2362

Split Complementary

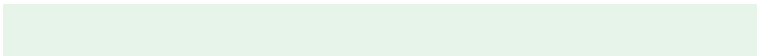
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1377, 87.5422, 101.2298



86.9636, 87.5422, 94.7519



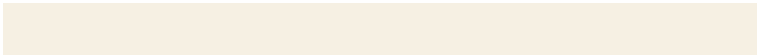
79.9445, 87.5422, 90.5894

Square

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



86.9636, 87.5422, 94.7519



83.0081, 87.5422, 85.1041



79.5587, 87.5422, 95.8875



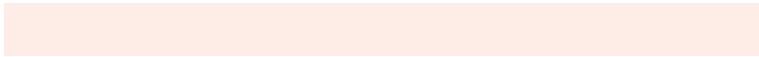
83.4047, 87.5422, 106.3193

Rectangle

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



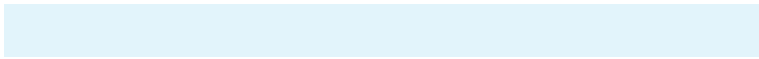
86.9636, 87.5422, 94.7519



85.4540, 87.5422, 87.0808



79.5587, 87.5422, 95.8875



80.9982, 87.5422, 104.0601

Sweetspot

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



86.9656, 87.5458, 94.7538



92.8028, 96.5324, 104.9857



87.7893, 87.7022, 106.9090



19.8872, 20.6982, 22.5123



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.



86.9656, 87.5458, 94.7538



85.3789, 85.1087, 91.9547



87.9514, 90.4569, 92.1859



18.1657, 18.0496, 19.4896



21.9357, 11.2636, 3.0460



2.1735, 1.1118, 0.4948

Inverse Universe

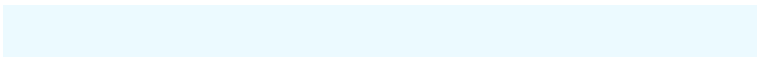
The Inverse Universe completely reimagines the original color for something new.



86.9656, 87.5458, 94.7538



85.3789, 85.1087, 91.9547



86.7112, 93.1882, 108.0247



18.1657, 18.0496, 19.4896



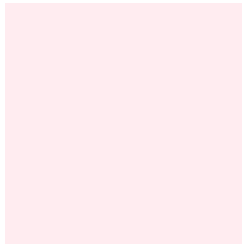
21.9357, 11.2636, 3.0460



2.1735, 1.1118, 0.4948

Previews

White Background



This preview shows how the XYZ color 86.9636, 87.5422, 94.7519 looks on a white background.

Color Contrast Check

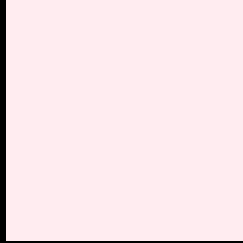
Large Text (above 18pt) WCAG AA × Fail

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 86.9636, 87.5422, 94.7519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

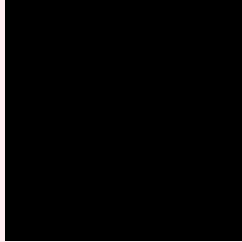
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.9636, 87.5422, 94.7519

Background



This preview shows how black text looks on a background with the XYZ color 86.9636, 87.5422, 94.7519.



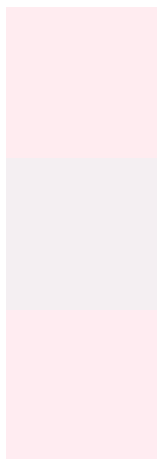
This preview shows how white text looks on a background with the XYZ color 86.9636, 87.5422,

94.7519.

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

86.9636, 87.5422, 94.7519

Protanopia

84.2017, 87.3769, 96.4319

Deuteranopia

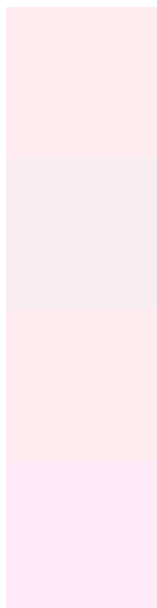
87.1126, 87.6018, 95.5366



Tritanopia

88.3609, 87.6417, 103.5262

Trichromacy



Original Color

86.9636, 87.5422, 94.7519

Protanomaly

85.1631, 87.4564, 95.6113

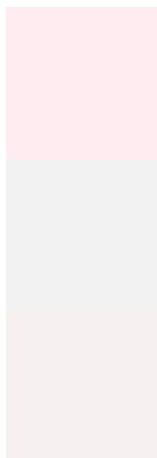
Deuteranomaly

87.1126, 87.6018, 95.5366

Tritanomaly

87.7368, 87.3921, 100.2398

Monochromacy



Original Color

86.9636, 87.5422, 94.7519

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.3950, 88.4452, 95.7899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9636, 87.5422, 94.7519 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, 240) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 240) }
```

Border

The CSS property to change the border of an element to XYZ 86.9636, 87.5422, 94.7519 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, 240) }
```


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

```
.border{ border-color:rgb(255, 236, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9636, 87.5422, 94.7519 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
236, 240) }
```

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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