

Converting Colors

XYZ(91.7550, 90.1003, 99.3312)

Have a look what the booklet for XYZ(91.7550, 90.1003, 99.3312) contains.

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Color

**XYZ(87.7169, 87.8435,
98.7185)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECF5
RGB	255, 236, 245
RGB Percent	100%, 93%, 96%
CMY	0.0000, 0.0745, 0.0392
CMYK	0.00, 0.07, 0.04, 0.00
HSL	332°, 100%, 96%
HSV	332°, 7%, 100%
XYZ	87.7169, 87.8435, 98.7185
YIQ	242.7070, 8.4350, 6.8270

Conversions

Conversions Part 2

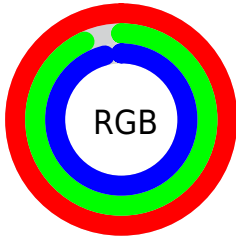
Format	Color
R _{YB}	255, 236, 245
Decimal	16772341
CIE Lab	95.10, 7.94, -2.03
CIE LCh	95, 8.198, 345.671
Yxy	87.8435, 0.3198, 0.3203
Android (android.graphics.Color)	4294962421 (0xFFFFE0F5)
YUV	242.7070, 1.1304, 10.7810
Hunter-Lab	93.7249, 3.0393, 3.1584

Details

The XYZ color **87.7169, 87.8435, 98.7185** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9893, 96.0080, 101.1389**, and the grayscale version is **84.9470, 89.3708, 97.3248**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7953, 48.3224, 54.8995** is the 20% darker color. If you saturate the color by 10%, you get **78.9174, 73.4057, 86.0397**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

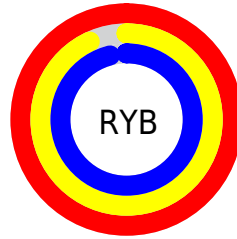
Distribution



Red (100%)

Green (93%)

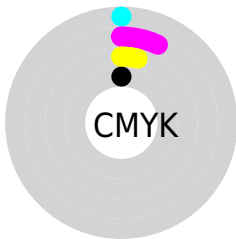
Blue (96%)



Red (100%)

Yellow (93%)

Blue (96%)

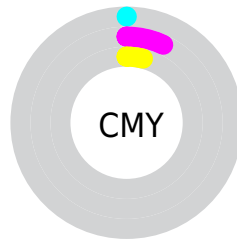


Cyan (0%)

Magenta (7%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.7169, 87.8435, 98.7185 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 87.7169, 87.8435, 98.7185 by changing the saturation by 10% instead.


 87.7169, 87.8435,
98.7185

 87.7169, 87.8435,
98.7185


508.9250,
520.9906, 577.2877

 66.4186, 66.1935,
74.6198

143.0575,
144.3393, 161.4315

 48.8813, 48.4295,
54.8016


177.8306,
179.9538, 200.8829

 34.7395, 34.1671,
38.8454


217.8259,
220.9919, 246.2889

 23.6278, 23.0220,
26.3326

263.4090,
267.8380, 298.0681

 15.1810, 14.6098,
16.8446

314.9451,
320.8766, 356.6391

 9.0337, 8.5460,
9.9630

372.7995,

 4.8204, 4.4462,

380.4919, 422.4203

5.2691

437.3377,
447.0685, 495.8304

■ 2.1760, 1.9262,
2.3445

■ 0.7300, 0.5640,
0.7560

■ 87.7169, 87.8435,
98.7185

■ 87.7169, 87.8435,
98.7185

■ 78.9174, 73.4057,
86.0397

95.0500, 100.0000,
108.9000

■ 71.2654, 61.0305,
74.4602

■ 64.7125, 50.6255,
63.9492

■ 59.2039, 42.0871,
54.4719

■ 54.6805, 35.3019,
45.9913

■ 51.0764, 30.1445,
38.4678

■ 48.3174, 26.4722,
31.8580

■ 46.3164, 24.1172,
26.1133

■ 44.9609, 22.8614,
21.1758

Harmonies

Analogous

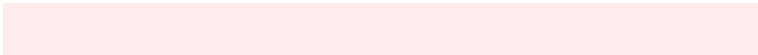
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5980, 87.8435, 104.4880



87.7169, 87.8435, 98.7185



87.6900, 87.8435, 92.3674

Triad

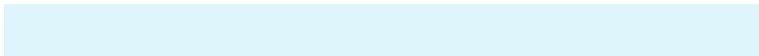
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7169, 87.8435, 98.7185



82.3396, 87.8435, 84.3022



80.5317, 87.8435, 104.7039

Complementary

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



87.7169, 87.8435, 98.7185



86.9893, 96.0080, 101.1389

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.



79.4313, 87.8435, 99.0026



87.7169, 87.8435, 98.7185



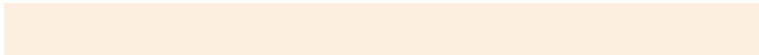
80.4624, 87.8435, 87.3187

Square

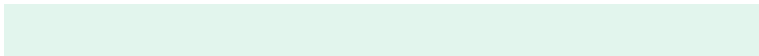
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



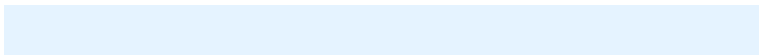
87.7169, 87.8435, 98.7185



84.5584, 87.8435, 84.2337



79.4062, 87.8435, 92.6392



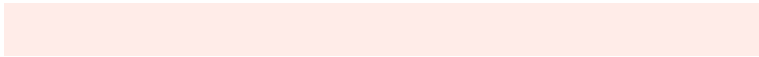
82.4358, 87.8435, 108.0465

Rectangle

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



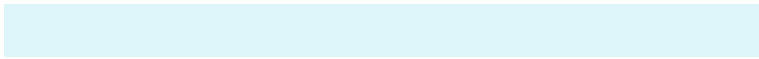
87.7169, 87.8435, 98.7185



87.0251, 87.8435, 88.6621



79.4062, 87.8435, 92.6392



80.0570, 87.8435, 102.9887

Sweetspot

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



87.7189, 87.8470, 98.7204



93.0153, 96.6174, 106.1043



85.9900, 86.7746, 106.8248



19.9304, 20.7155, 22.7401



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

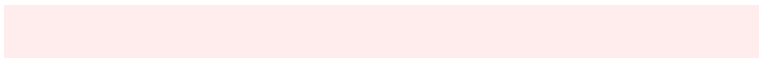
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7189, 87.8470, 98.7204



86.2761, 85.4676, 96.6797



86.4696, 87.4933, 91.6919



18.3675, 18.1303, 20.5526



23.4189, 11.8568, 10.8562



2.3349, 1.1763, 1.3452

Inverse Universe

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



87.7189, 87.8470, 98.7204



86.2761, 85.4676, 96.6797



88.3032, 96.3721, 108.5553



18.3675, 18.1303, 20.5526



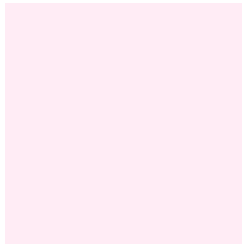
23.4189, 11.8568, 10.8562



2.3349, 1.1763, 1.3452

Previews

White Background



This preview shows how the XYZ color 87.7169, 87.8435, 98.7185 looks on a white background.

Color Contrast Check

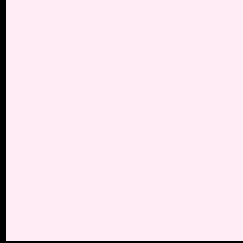
Large Text (above 18pt) WCAG AA × Fail

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 87.7169, 87.8435, 98.7185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

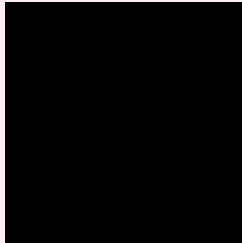
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.7169, 87.8435, 98.7185

Background



This preview shows how black text looks on a background with the XYZ color 87.7169, 87.8435, 98.7185.



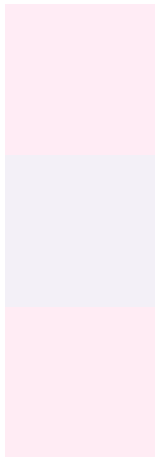
This preview shows how white text looks on a background with the XYZ color 87.7169, 87.8435,

98.7 85.

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

87.7169, 87.8435, 98.7185

Protanopia

84.9107, 88.0903, 100.5235

Deuteranopia

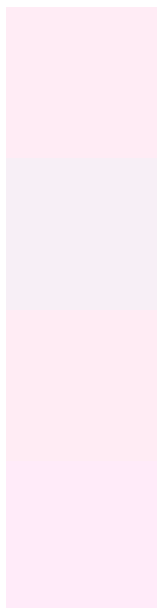
87.5646, 87.7826, 97.9165



Tritanopia

88.5190, 87.7049, 104.3588

Trichromacy



Original Color

87.7169, 87.8435, 98.7185

Protanomaly

85.8588, 88.1610, 99.6803

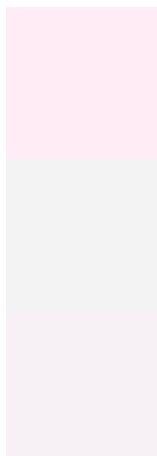
Deuteranomaly

87.5646, 87.7826, 97.9165

Tritanomaly

88.0472, 87.5162, 101.8743

Monochromacy



Original Color

87.7169, 87.8435, 98.7185

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.8470, 88.6260, 98.1699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7169, 87.8435, 98.7185 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, 245) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 245) }
```

Border

The CSS property to change the border of an element to XYZ 87.7169, 87.8435, 98.7185 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, 245) }
```


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

```
.border{ border-color:rgb(255, 236, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 236, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 236, 245); box-shadow:4px 4px 4px 4px rgb(255, 236, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7169, 87.8435, 98.7185 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, 245) }
```

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

```
.background{ background-color: rgb(255,  
236, 245) }
```

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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