

Converting Colors

XYZ(168.5062, 127.7979,
105.4434)

Have a look what the booklet for
XYZ(168.5062, 127.7979, 105.4434)
contains.

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Color

**XYZ(87.1955, 85.8128,
101.5904)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFE8F9 |
| RGB | 255, 232, 249 |
| RGB Percent | 100%, 91%, 98% |
| CMY | 0.0000, 0.0902, 0.0235 |
| CMYK | 0.00, 0.09, 0.02, 0.00 |
| HSL | 316°, 100%, 95% |
| HSV | 316°, 9%, 100% |
| XYZ | 87.1955, 85.8128, 101.5904 |
| YIQ | 240.8150, 8.2510, 10.1630 |

Conversions

Conversions Part 2

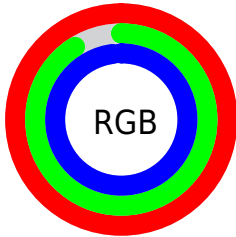
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 255, 232, 249 |
| Decimal | 16771321 |
| CIE Lab | 94.23, 10.70, -5.38 |
| CIE LCh | 94, 11.971, 333.316 |
| Yxy | 85.8128, 0.3175, 0.3125 |
| Android (android.graphics.Color) | 4294961401 (0xFFFFE8F9) |
| YUV | 240.8150, 4.0352, 12.4402 |
| Hunter-Lab | 92.6352, 5.9066, -0.1770 |

Details

The XYZ color **87.1955, 85.8128, 101.5904** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4739, 94.8501, 94.7479**, and the grayscale version is **83.4302, 87.7750, 95.5870**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4397, 46.9067, 56.9529** is the 20% darker color. If you saturate the color by 10%, you get **79.5129, 72.0785, 94.0016**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

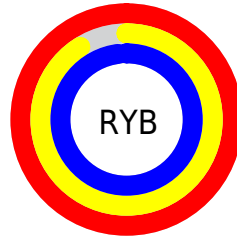
Distribution



Red (100%)

Green (91%)

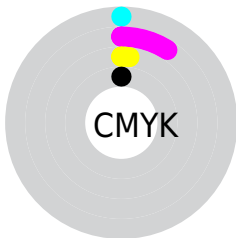
Blue (98%)



Red (100%)

Yellow (91%)

Blue (98%)

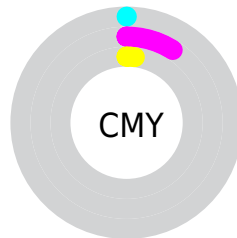


Cyan (0%)

Magenta (9%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.1955, 85.8128, 101.5904 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 87.1955, 85.8128, 101.5904 by changing the saturation by 10% instead.


 87.1955, 85.8128,
101.5904

 87.1955, 85.8128,
101.5904

507.2400,
514.3137, 586.5699

 65.9856, 64.5132,
77.0051


142.3349,
141.5082, 165.4119

 48.5284, 47.0664,
56.7455


176.9950,
176.6728, 205.4853

 34.4585, 33.0882,
40.3930


216.8693,
217.2279, 251.5585

 23.4106, 22.1940,
27.5289

262.3231,
263.5578, 304.0499

 15.0193, 13.9995,
17.7349

313.7216,
316.0469, 363.3783

 8.9194, 8.1203,
10.5924

371.4304,

 4.7453, 4.1720,

375.0797, 429.9620

5.6828

435.8148,
441.0405, 504.2197

■ 2.1318, 1.7703,
2.5875

■ 0.7064, 0.4685,
0.8860

■ 87.1955, 85.8128,
101.5904

■ 87.1955, 85.8128,
101.5904

■ 79.5129, 72.0785,
94.0016

95.0500, 100.0000,
108.9000

■ 72.8615, 60.3487,
86.9348

■ 67.1949, 50.5311,
80.3737

■ 62.4610, 42.5219,
74.2992

■ 58.6026, 36.2073,
68.6903

■ 55.5560, 31.4607,
63.5236

■ 53.2487, 28.1376,
58.7731

■ 51.5947, 26.0665,
54.4080

■ 50.4669, 24.9943,
50.3840

Harmonies

Analogous

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



84.9955, 85.8128, 108.9794



87.1955, 85.8128, 101.5904



87.8729, 85.8128, 92.4182

Triad

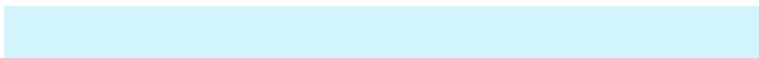
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1955, 85.8128, 101.5904



81.2065, 85.8128, 76.8950



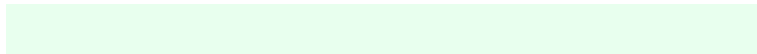
76.5186, 85.8128, 103.4720

Complementary

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



87.1955, 85.8128, 101.5904



84.4739, 94.8501, 94.7479

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.



75.5616, 85.8128, 94.4604



87.1955, 85.8128, 101.5904



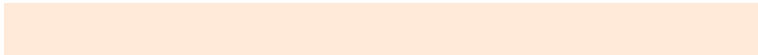
78.2232, 85.8128, 79.4448

Square

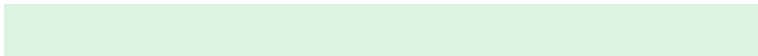
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



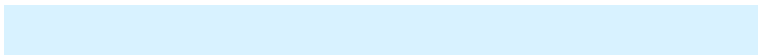
87.1955, 85.8128, 101.5904



84.3623, 85.8128, 78.5319



76.1775, 85.8128, 85.7292



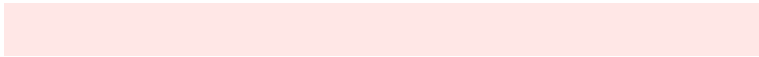
78.8253, 85.8128, 110.1147

Rectangle

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



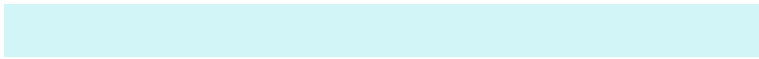
87.1955, 85.8128, 101.5904



87.3557, 85.8128, 86.6205



76.1775, 85.8128, 85.7292



76.0312, 85.8128, 100.5990

Sweetspot

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



87.1974, 85.8162, 101.5922



92.3382, 95.0879, 106.4192



82.0858, 83.0713, 106.3157



19.6127, 20.0788, 22.6380



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.



87.1974, 85.8162, 101.5922



85.5895, 82.9284, 100.0448



85.4949, 85.1352, 92.6266



18.5784, 18.2147, 21.6631



26.3833, 13.0426, 26.4665



2.6136, 1.2878, 2.8128

Inverse Universe

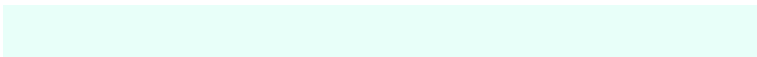
The Inverse Universe completely reimagines the original color for something new.



87.1974, 85.8162, 101.5922



85.5895, 82.9284, 100.0448



86.1788, 95.5321, 103.7258



18.5784, 18.2147, 21.6631



26.3833, 13.0426, 26.4665



2.6136, 1.2878, 2.8128

Previews

White Background



This preview shows how the XYZ color 87.1955, 85.8128, 101.5904 looks on a white background.

Color Contrast Check

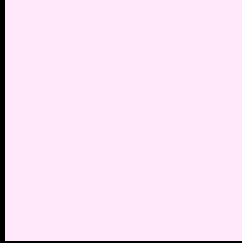
Large Text (above 18pt) WCAG AA × Fail

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 87.1955, 85.8128, 101.5904 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 87.1955, 85.8128, 101.5904

Background



This preview shows how black text looks on a background with the XYZ color 87.1955, 85.8128, 101.5904.



This preview shows how white text looks on a background with the XYZ color 87.1955, 85.8128,

101.5904.

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

87.1955, 85.8128, 101.5904

Protanopia

83.4515, 85.9474, 104.2866

Deuteranopia

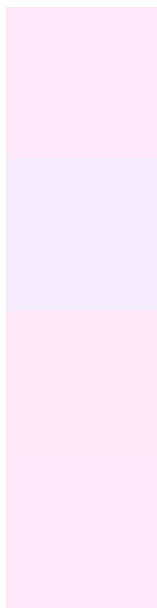
87.0399, 85.7505, 100.7709



Tritanopia

87.3519, 85.8754, 102.4141

Trichromacy



Original Color

87.1955, 85.8128, 101.5904

Protanomaly

84.7771, 85.7942, 103.3585

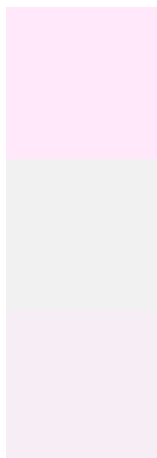
Deuteranomaly

87.0399, 85.7505, 100.7709

Tritanomaly

87.3519, 85.8754, 102.4141

Monochromacy



Original Color

87.1955, 85.8128, 101.5904

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.9097, 87.2736, 97.9582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1955, 85.8128, 101.5904 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 249) }
```

Border

The CSS property to change the border of an element to XYZ 87.1955, 85.8128, 101.5904 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, 249) }
```


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

```
.border{ border-color:rgb(255, 232, 249) }
```

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, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1955, 85.8128, 101.5904 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, 249) }
```

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

```
.background{ background-color: rgb(255,  
232, 249) }
```

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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