

Converting Colors

XYZ(90.0949, 87.3552,
105.9653)

Have a look what the booklet for
XYZ(90.0949, 87.3552, 105.9653)
contains.

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Color

**XYZ(87.9860, 86.1290,
105.7531)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8FE
RGB	255, 232, 254
RGB Percent	100%, 91%, 100%
CMY	0.0000, 0.0902, 0.0039
CMYK	0.00, 0.09, 0.00, 0.00
HSL	303°, 100%, 95%
HSV	303°, 9%, 100%
XYZ	87.9860, 86.1290, 105.7531
YIQ	241.3850, 6.6460, 11.7180

Conversions

Conversions Part 2

Format	Color
R_{YB}	255, 232, 254
Decimal	16771326
CIE _{Lab}	94.37, 11.58, -7.78
CIE _{LCh}	94, 13.946, 326.110
Yxy	86.1290, 0.3144, 0.3077
Android (android.graphics.Color)	4294961406 (0xFFFFE8FE)
YUV	241.3850, 6.2192, 11.9404
Hunter-Lab	92.8057, 6.8199, -2.5976

Details

The XYZ color **87.9860, 86.1290, 105.7531** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.7493, 94.5602, 90.9320**, and the grayscale version is **83.8630, 88.2304, 96.0829**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8921, 47.0877, 59.3353** is the 20% darker color. If you saturate the color by 10%, you get **81.1461, 72.7317, 102.6019**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



- Red (100%)
- Green (91%)
- Blue (100%)



- Red (100%)
- Yellow (91%)
- Blue (100%)



- Cyan (0%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.9860, 86.1290, 105.7531 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 87.9860, 86.1290, 105.7531 by changing the saturation by 10% instead.


 87.9860, 86.1290,
105.7531

 87.9860, 86.1290,
105.7531


509.7935,
515.3565, 599.8879

 66.6422, 64.7747,
80.4703


143.4303,
141.9495, 171.1616

 49.0636, 47.2784,
59.5770


178.2615,
177.1844, 212.1244

 34.8846, 33.2558,
42.6547


218.3193,
217.8150, 259.1508

 23.7401, 22.3225,
29.2849

263.9689,
264.2256, 312.6596

 15.2646, 14.0940,
19.0490

315.5758,
316.8007, 373.0691

 9.0929, 8.1861,
11.5285

373.5053,

 4.8594, 4.2143,

375.9246, 440.7980

6.3049

438.1227,
441.9817, 516.2647

■ 2.1989, 1.7941,
2.9596

■ 0.7422, 0.4835,
1.0740

■ 87.9860, 86.1290,
105.7531

■ 87.9860, 86.1290,
105.7531

■ 81.1461, 72.7317,
102.6019

95.0500, 100.0000,
108.9000

■ 75.3020, 61.3249,
99.7865

■ 70.4078, 51.8163,
97.2928

■ 66.4117, 44.1022,
95.1034

■ 63.2569, 38.0690,
93.1996

■ 60.8801, 33.5903,
91.5601

■ 59.2093, 30.5218,
90.1609

■ 58.1586, 28.6921,
88.9734

■ 57.6017, 27.8482,
87.9555

Harmonies

Analogous

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



85.0725, 86.1290, 113.5396



87.9860, 86.1290, 105.7531



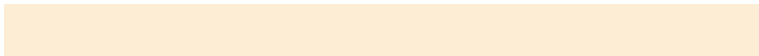
89.2581, 86.1290, 95.1856

Triad

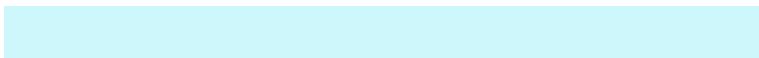
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9860, 86.1290, 105.7531



82.3524, 86.1290, 74.6761



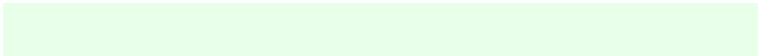
75.5669, 86.1290, 103.1499

Complementary

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



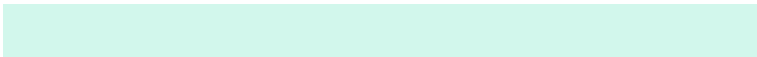
87.9860, 86.1290, 105.7531



83.7493, 94.5602, 90.9320

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.



74.8882, 86.1290, 92.3880



87.9860, 86.1290, 105.7531



78.7353, 86.1290, 76.4569

Square

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



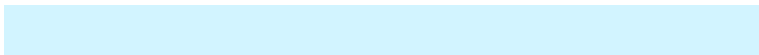
87.9860, 86.1290, 105.7531



85.9434, 86.1290, 77.6842



76.0309, 86.1290, 82.7462



77.9139, 86.1290, 111.9581

Rectangle

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



87.9860, 86.1290, 105.7531



88.9764, 86.1290, 88.1741



76.0309, 86.1290, 82.7462



75.1392, 86.1290, 99.6183

Sweetspot

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



87.9879, 86.1324, 105.7549



92.6045, 95.1944, 107.8212



80.4383, 82.2219, 106.2386



19.6848, 20.1076, 23.0176



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.



87.9879, 86.1324, 105.7549



86.5499, 83.3126, 105.1022



86.2362, 85.4317, 96.5304



18.7566, 18.2859, 22.6013



30.0903, 14.5254, 45.9875



2.9399, 1.4184, 4.5311

Inverse Universe

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



87.9879, 86.1324, 105.7549



86.5499, 83.3126, 105.1022



85.4107, 95.2248, 99.6812



18.7566, 18.2859, 22.6013



30.0903, 14.5254, 45.9875



2.9399, 1.4184, 4.5311

Previews

White Background



This preview shows how the XYZ color 87.9860, 86.1290, 105.7531 looks on a white background.

Color Contrast Check

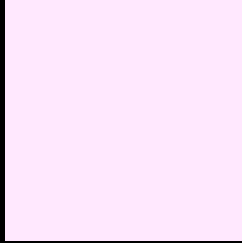
Large Text (above 18pt) WCAG AA × Fail

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 87.9860, 86.1290, 105.7531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

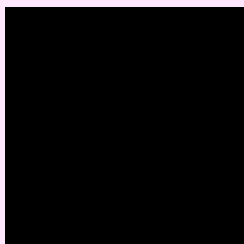
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.9860, 86.1290, 105.7531

Background



This preview shows how black text looks on a background with the XYZ color 87.9860, 86.1290, 105.7531.



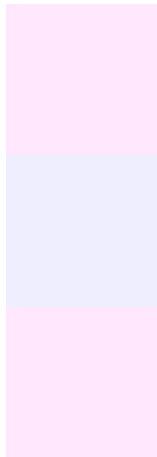
This preview shows how white text looks on a background with the XYZ color 87.9860, 86.1290,

105.7531.

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

87.9860, 86.1290, 105.7531

Protanopia

83.8844, 86.5462, 106.8916

Deuteranopia

87.9860, 86.1290, 105.7531



Tritanopia

87.7915, 86.5029, 103.3364

Trichromacy



Original Color

87.9860, 86.1290, 105.7531

Protanomaly

85.3537, 86.4440, 106.7945

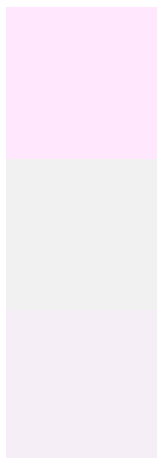
Deuteranomaly

87.9860, 86.1290, 105.7531

Tritanomaly

87.9496, 86.5661, 104.1689

Monochromacy



Original Color

87.9860, 86.1290, 105.7531

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

85.2151, 87.3957, 99.5665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.9860, 86.1290, 105.7531 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 254) }
```

Border

The CSS property to change the border of an element to XYZ 87.9860, 86.1290, 105.7531 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, 254) }
```


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

```
.border{ border-color:rgb(255, 232, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 87.9860, 86.1290, 105.7531 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
232, 254) }
```

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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