

Converting Colors

XYZ(86.3233, 82.9537,
104.7356)

Have a look what the booklet for
XYZ(86.3233, 82.9537, 104.7356)
contains.

XYZ(86.1660, 82.7446, 104.3584)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(86.1660, 82.7446,
104.3584)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE2FD
RGB	255, 226, 253
RGB Percent	100%, 89%, 99%
CMY	0.0000, 0.1137, 0.0078
CMYK	0.00, 0.11, 0.01, 0.00
HSL	304°, 100%, 94%
HSV	304°, 11%, 100%
XYZ	86.1660, 82.7446, 104.3584
YIQ	237.7490, 8.6170, 14.5450

Conversions

Conversions Part 2

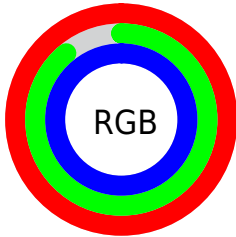
Format	Color
RYB	255, 226, 253
Decimal	16769789
CIELab	92.90, 14.51, -9.43
CIElCh	93, 17.302, 326.983
Yxy	82.7446, 0.3153, 0.3028
Android (android.graphics.Color)	4294959869 (0xFFFFE2FD)
YUV	237.7490, 7.5187, 15.1291
Hunter-Lab	90.9641, 9.8976, -4.3455

Details

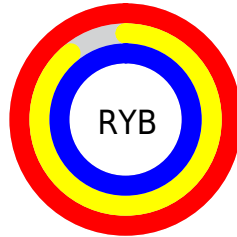
The XYZ color **86.1660, 82.7446, 104.3584** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.1301, 93.2914, 87.1330**, and the grayscale version is **81.0147, 85.2338, 92.8196**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8154, 45.1171, 58.4129** is the 20% darker color. If you saturate the color by 10%, you get **79.4627, 69.7837, 100.7499**, and if you desaturate by 10%, it is **93.9067, 97.7754, 108.3277**.

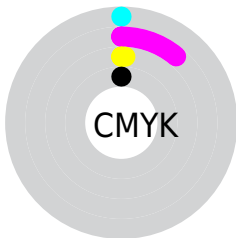
Distribution



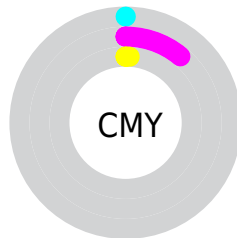
- Red (100%)
- Green (89%)
- Blue (99%)



- Red (100%)
- Yellow (89%)
- Blue (99%)



- Cyan (0%)
- Magenta (11%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.1660, 82.7446, 104.3584 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 86.1660, 82.7446, 104.3584 by changing the saturation by 10% instead.


 86.1660, 82.7446,
104.3584

 86.1660, 82.7446,
104.3584


503.9042,
504.1349, 595.4432

 65.1310, 61.9795,
79.3083


140.9068,
137.2177, 169.2378

 47.8324, 45.0161,
58.6265


175.3432,
171.6945, 209.9041

 33.9049, 31.4701,
41.8945

214.9775,
211.5106, 256.6129

 22.9831, 20.9571,
28.6937

260.1750,
257.0504, 309.7827

 14.7016, 13.0926,
18.6057

311.3010,
308.6984, 369.8321

 8.6952, 7.4924,
11.2118

368.7210,

 4.5984, 3.7719,

366.8388, 437.1797

6.0935

432.8003,
431.8562, 512.2438

■ 2.0459, 1.5468,
2.8323

■ 0.6596, 0.3213,
1.0097

■ 86.1660, 82.7446,
104.3584

■ 86.1660, 82.7446,
104.3584

■ 79.4627, 69.7837,
100.7499

■ 93.9067, 97.7754,
108.3277

■ 73.7460, 58.7922,
97.4818

■ 95.0500, 100.0000,
108.9000

■ 68.9688, 49.6758,
94.5396

■ 65.0785, 42.3288,
91.9056

■ 62.0167, 36.6350,
89.5604

■ 59.7185, 32.4641,
87.4822

■ 58.1089, 29.6665,
85.6462

■ 57.0982, 28.0625,
84.0222

■ 56.5880, 27.3992,
82.7515

Harmonies

Analogous

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



82.6584, 82.7446, 114.1618



86.1660, 82.7446, 104.3584



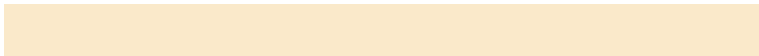
87.6542, 82.7446, 91.4119

Triad

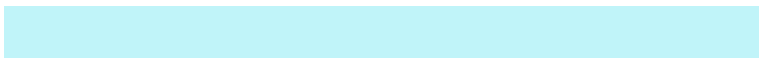
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1660, 82.7446, 104.3584



79.1048, 82.7446, 67.4419



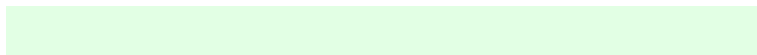
71.1483, 82.7446, 101.8744

Complementary

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



86.1660, 82.7446, 104.3584



81.1301, 93.2914, 87.1330

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.



70.2776, 82.7446, 88.7904



86.1660, 82.7446, 104.3584



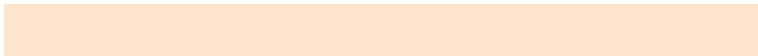
74.7661, 82.7446, 69.6728

Square

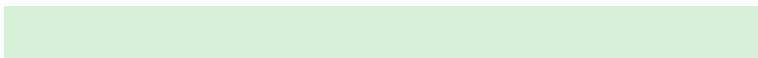
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1660, 82.7446, 104.3584



83.4806, 82.7446, 70.7830



71.5773, 82.7446, 77.1940



74.0023, 82.7446, 112.6339

Rectangle

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



86.1660, 82.7446, 104.3584



87.2601, 82.7446, 83.0140



71.5773, 82.7446, 77.1940



70.6188, 82.7446, 97.5672

Sweetspot

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



86.1678, 82.7479, 104.3602



92.5731, 95.1819, 107.6561



77.2235, 78.0999, 105.6124



19.6763, 20.1042, 22.9729



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.



86.1678, 82.7479, 104.3602



84.3062, 79.1422, 103.3767



83.9545, 81.8625, 92.7049



18.7354, 18.2775, 22.4899



29.5915, 14.3259, 43.3606



2.8968, 1.4011, 4.3040

Inverse Universe

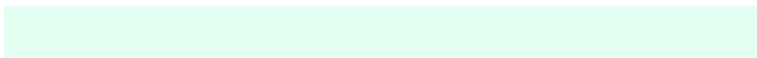
The Inverse Universe completely reimagines the original color for something new.



86.1678, 82.7479, 104.3602



84.3062, 79.1422, 103.3767



83.2185, 94.1267, 98.1303



18.7354, 18.2775, 22.4899



29.5915, 14.3259, 43.3606



2.8968, 1.4011, 4.3040

Previews

White Background



This preview shows how the XYZ color 86.1660, 82.7446, 104.3584 looks on a white background.

Color Contrast Check

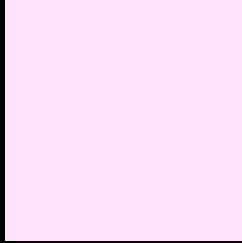
Large Text (above 18pt) WCAG AA × Fail

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 86.1660, 82.7446, 104.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

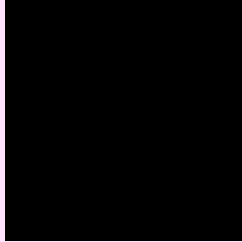
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.1660, 82.7446, 104.3584

Background



This preview shows how black text looks on a background with the XYZ color 86.1660, 82.7446, 104.3584.



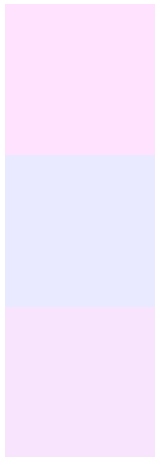
This preview shows how white text looks on a background with the XYZ color 86.1660, 82.7446,

104.3584.

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

86.1660, 82.7446, 104.3584

Protanopia

80.7932, 82.8215, 106.3356

Deuteranopia

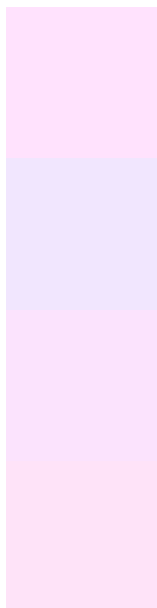
84.5399, 82.7184, 104.4390



Tritanopia

84.8236, 82.6016, 97.8592

Trichromacy



Original Color

86.1660, 82.7446, 104.3584

Protanomaly

82.4618, 82.4502, 105.3342

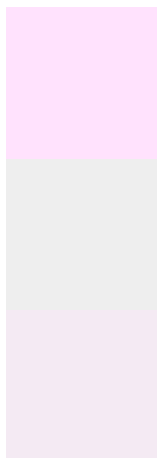
Deuteranomaly

84.9824, 82.5392, 104.3811

Tritanomaly

85.2854, 82.7863, 100.2913

Monochromacy



Original Color

86.1660, 82.7446, 104.3584

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

82.9087, 84.5498, 96.7440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.1660, 82.7446, 104.3584 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, 226, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 253)  
}
```

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, 226, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 253) }
```

Border

The CSS property to change the border of an element to XYZ 86.1660, 82.7446, 104.3584 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, 226, 253) }
```


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

```
.border{ border-color:rgb(255, 226, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 86.1660, 82.7446, 104.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 253) }
```

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

```
.background{ background-color: rgb(255,  
226, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor