

# Converting Colors

XYZ(86.0821, 82.9670,  
105.1379)

Have a look what the booklet for  
XYZ(86.0821, 82.9670, 105.1379)  
contains.

<b>XYZ(86.2315, 83.1648, 105.2734)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(86.2315, 83.1648,  
105.2734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE3FE
RGB	254, 227, 254
RGB Percent	100%, 89%, 100%
CMY	0.0039, 0.1098, 0.0039
CMYK	0.00, 0.11, 0.00, 0.00
HSL	300°, 93%, 94%
HSV	300°, 11%, 100%
XYZ	86.2315, 83.1648, 105.2734
YIQ	238.1510, 7.4250, 14.1210

# Conversions

## Conversions Part 2

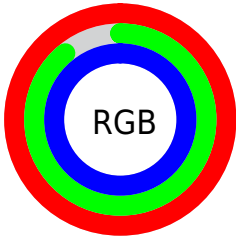
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	254, 227, 254
Decimal	16704510
CIE Lab	93.09, 13.84, -9.68
CIE LCh	93, 16.890, 325.011
Yxy	83.1648, 0.3139, 0.3028
Android (android.graphics.Color)	4294894590 (0xFFFE3FE)
YUV	238.1510, 7.8136, 13.8996
Hunter-Lab	91.1947, 9.1944, -4.6069

# Details

The XYZ color **86.2315, 83.1648, 105.2734** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.9887, 92.7628, 86.3139**, and the grayscale version is **81.3244, 85.5596, 93.1744**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8565, 45.4066, 59.0654** is the 20% darker color. If you saturate the color by 10%, you get **79.7914, 70.2833, 103.1276**, and if you desaturate by 10%, it is **93.7013, 98.1031, 107.7644**.

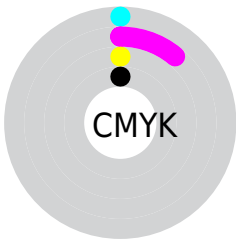
# Distribution



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



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.2315, 83.1648, 105.2734 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 86.2315, 83.1648, 105.2734 by changing the saturation by 10% instead.




 86.2315, 83.1648,  
105.2734

 86.2315, 83.1648,  
105.2734

504.1167,  
505.5356, 598.3611

 65.1853, 62.3261,  
80.0705


140.9977,  
137.8063, 170.5002

 47.8766, 45.2963,  
59.2499

175.4484,  
172.3778, 211.3612

 33.9400, 31.6908,  
42.3929


215.0980,  
212.2958, 258.2786

 23.0102, 21.1255,  
29.0812

260.3118,  
257.9445, 311.6710

 14.7218, 13.2157,  
18.8962

311.4553,  
309.7085, 371.9569

 8.7094, 7.5773,  
11.4192

368.8937,

 4.6077, 3.8257,

367.9721, 439.5548

6.2319

432.9924,  
433.1196, 514.8834

■ 2.0514, 1.5765,  
2.9155

■ 0.6626, 0.3417,  
1.0517

■ 86.2315, 83.1648,  
105.2734

■ 86.2315, 83.1648,  
105.2734

■ 79.7914, 70.2833,  
103.1276

■ 93.7013, 98.1031,  
107.7644

■ 74.3289, 59.3583,  
101.3067

94.5233, 99.7470,  
108.0385

■ 69.7985, 50.2976,  
99.7965

94.5233, 99.7470,  
108.0385

■ 66.1482, 42.9970,  
98.5796

94.5233, 99.7470,  
108.0386

63.3208, 37.3423, 94.5233, 99.7470,  
97.6371 108.0387

61.2525, 33.2057, 94.5233, 99.7470,  
96.9476 108.0388

59.8700, 30.4407, 94.5233, 99.7470,  
96.4867 108.0389

59.0857, 28.8722, 94.5233, 99.7470,  
96.2252 108.0390

58.7631, 28.2269, 94.5234, 99.7470,  
96.1176 108.0390

# Harmonies

## Analogous

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



82.7020, 83.1648, 114.5074



86.2315, 83.1648, 105.2734



87.8386, 83.1648, 92.6903

# Triad

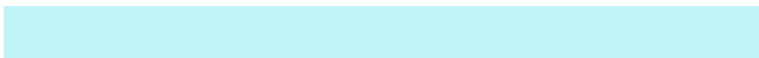
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2315, 83.1648, 105.2734



79.7887, 83.1648, 68.3592



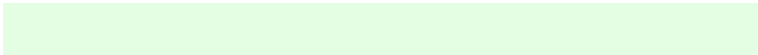
71.5750, 83.1648, 101.2629

# Complementary

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



86.2315, 83.1648, 105.2734



80.9887, 92.7628, 86.3139

# 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.



70.8600, 83.1648, 88.4475



86.2315, 83.1648, 105.2734



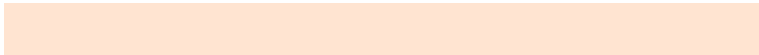
75.4987, 83.1648, 70.1954

# Square

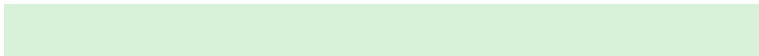
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2315, 83.1648, 105.2734



84.0313, 83.1648, 72.0008



72.2705, 83.1648, 77.2719



74.2612, 83.1648, 112.0446



# Rectangle

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



86.2315, 83.1648, 105.2734



87.5617, 83.1648, 84.3797



72.2705, 83.1648, 77.2719



71.1005, 83.1648, 97.0189

# Sweetspot

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



86.2339, 83.1684, 105.2752



92.6579, 95.2158, 108.1026



77.0408, 78.4292, 104.8451



19.6992, 20.1134, 23.0940



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.



86.2339, 83.1684, 105.2752



85.3714, 80.6429, 105.6737



84.1475, 82.3338, 94.2879



18.7928, 18.3004, 22.7918



30.9802, 14.8814, 50.6737



3.0164, 1.4489, 4.9339



# Inverse Universe

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



86.2339, 83.1684, 105.2752



85.3714, 80.6429, 105.6737



82.9259, 93.5377, 96.5149



18.7928, 18.3004, 22.7918



30.9802, 14.8814, 50.6737



3.0164, 1.4489, 4.9339



# Previews

## White Background



This preview shows how the XYZ color 86.2315, 83.1648, 105.2734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

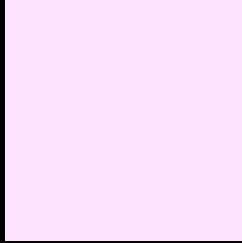
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.2315, 83.1648, 105.2734 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 86.2315, 83.1648, 105.2734

## Background



This preview shows how black text looks on a background with the XYZ color 86.2315, 83.1648, 105.2734.



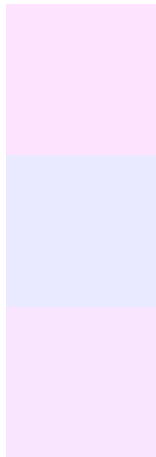
This preview shows how white text looks on a background with the XYZ color 86.2315, 83.1648,

105.2734.

# 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

86.2315, 83.1648, 105.2734

### Protanopia

81.0771, 83.3893, 106.4303

### Deuteranopia

85.3330, 83.5184, 105.3891



## Tritanopia

84.8860, 83.0233, 98.7399

# Trichromacy



## Original Color

86.2315, 83.1648, 105.2734

## Protanomaly

82.9015, 83.0726, 106.2730

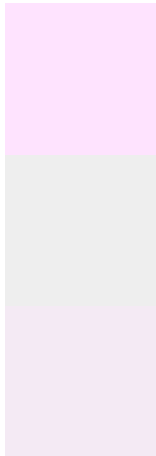
## Deuteranomaly

85.4165, 83.1518, 105.3139

## Tritanomaly

85.3503, 83.2090, 101.1850

# Monochromacy



## Original Color

86.2315, 83.1648, 105.2734

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

83.0602, 84.6104, 97.5416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.2315, 83.1648, 105.2734 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(254, 227, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 227, 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(254, 227, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 227, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 86.2315, 83.1648, 105.2734 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(254, 227, 254) }
```



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

```
.border{ border-color:rgb(254, 227, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 227, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(254, 227, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(254, 227, 254); box-shadow:4px 4px 4px 4px rgb(254, 227, 254) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.2315, 83.1648, 105.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 227, 254) }
```

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

```
.background{ background-color: rgb(254,  
227, 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](#).

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