

# Converting Colors

XYZ(86.9201, 90.4252,  
106.0397)

Have a look what the booklet for  
XYZ(86.9201, 90.4252, 106.0397)  
contains.

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# **Color**

**XYZ(86.7424, 90.2477,  
105.7762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F3FD
RGB	243, 243, 253
RGB Percent	95%, 95%, 99%
CMY	0.0471, 0.0470, 0.0078
CMYK	0.04, 0.04, 0.00, 0.01
HSL	240°, 71%, 97%
HSV	240°, 4%, 99%
XYZ	86.7424, 90.2477, 105.7762
YIQ	244.1400, -3.2100, 3.1100

# Conversions

## Conversions Part 2

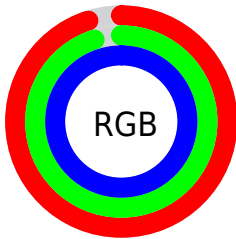
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 243, 253
Decimal	15987709
CIE Lab	96.10, 1.80, -4.80
CIE LCh	96, 5.132, 290.586
Yxy	90.2477, 0.3068, 0.3192
Android (android.graphics.Color)	4294177789 (0xFFFF3F3FD)
YUV	244.1400, 4.3680, -0.9998
Hunter-Lab	94.9988, -3.2614, 0.4828

# Details

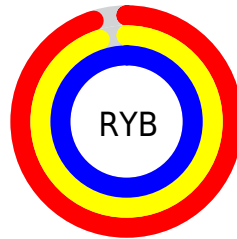
The XYZ color **86.7424, 90.2477, 105.7762** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.8112, 97.6034, 98.7960**, and the grayscale version is **86.0713, 90.5537, 98.6130**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2276, 50.0910, 59.3512** is the 20% darker color. If you saturate the color by 10%, you get **71.5517, 71.9463, 103.0457**, and if you desaturate by 10%, it is **94.7299, 99.8720, 107.2143**.

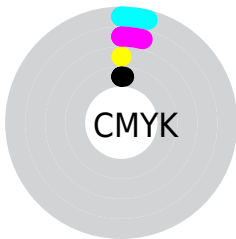
# Distribution



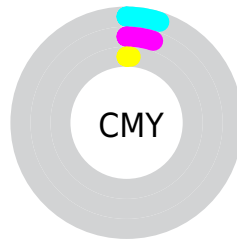
- Red (95%)
- Green (95%)
- Blue (99%)



- Red (95%)
- Yellow (95%)
- Blue (99%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (5%)
- Magenta (5%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.7424, 90.2477, 105.7762 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 86.7424, 90.2477, 105.7762 by changing the saturation by 10% instead.



86.7424, 90.2477,  
105.7762

86.7424, 90.2477,  
105.7762

505.7733,  
528.8363, 599.9613

65.6094, 68.1861,  
80.4895

141.7065,  
147.6824, 171.1935

48.2219, 50.0492,  
59.5927

176.2684,  
183.8243, 212.1611

34.2146, 35.4525,  
42.6673

216.0372,  
225.4284, 259.1928

23.2222, 24.0116,  
29.2947

261.3783,  
272.8792, 312.7072

14.8793, 15.3422,  
19.0564

312.6571,  
326.5610, 373.1226

8.8205, 9.0599,  
11.5338

370.2390,

4.6804, 4.7803,

386.8581, 440.8578

6.3084

434.4893,  
454.1551, 516.3312

■ 2.0938, 2.1189,  
2.9617

■ 0.6859, 0.6752,  
1.0751

■ 86.7424, 90.2477,  
105.7762

■ 86.7424, 90.2477,  
105.7762

■ 71.5517, 71.9463,  
103.0457

94.7299, 99.8720,  
107.2143

■ 58.5127, 56.2364,  
100.7006

■ 47.5307, 43.0044,  
98.7254

■ 38.5005, 32.1240,  
97.1012

■ 31.3081, 23.4574,  
95.8074

■ 25.8274, 16.8529,  
94.8215

■ 21.9163, 12.1394,  
94.1179

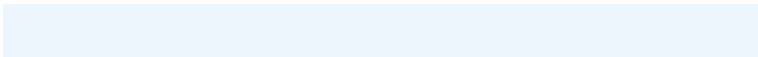
■ 19.4103, 9.1188,  
93.6669

■ 18.1081, 7.5487,  
93.4325

# Harmonies

## Analogous

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



85.3314, 90.2477, 106.1910



86.7424, 90.2477, 105.7762



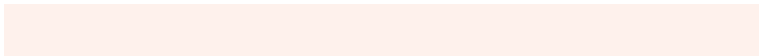
87.9068, 90.2477, 103.3188

# Triad

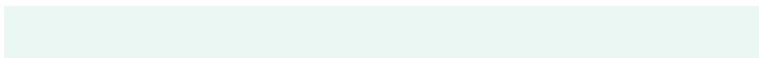
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7424, 90.2477, 105.7762



87.5249, 90.2477, 92.3399



83.1094, 90.2477, 96.9896

# Complementary

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



86.7424, 90.2477, 105.7762



91.8112, 97.6034, 98.7960

# Split Complementary

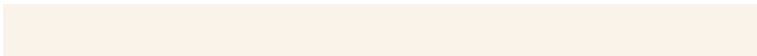
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6833, 90.2477, 93.3776



86.7424, 90.2477, 105.7762



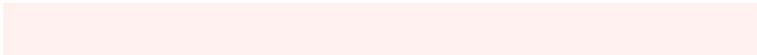
86.2256, 90.2477, 90.7424

# Square

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



86.7424, 90.2477, 105.7762



88.3620, 90.2477, 95.5376



84.8202, 90.2477, 91.1169



83.2443, 90.2477, 101.0426



# Rectangle

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



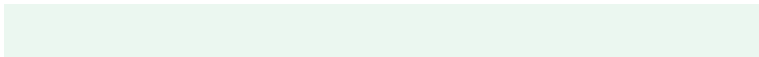
86.7424, 90.2477, 105.7762



88.3815, 90.2477, 100.8894



84.8202, 90.2477, 91.1169



83.2256, 90.2477, 95.6854

# Sweetspot

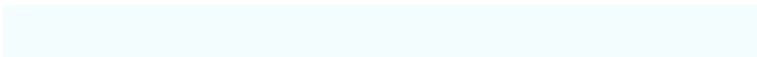
The Sweet Spot groups the original color and five complimentary colors.



86.7450, 90.2515, 105.7782



93.3102, 97.9039, 108.5871



89.7920, 96.3879, 106.6629



19.9906, 20.9776, 23.2454



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.



86.7450, 90.2515, 105.7782



86.5818, 89.7974, 107.3770



88.4341, 91.1207, 105.8569



18.2872, 18.9253, 22.9391



9.4323, 3.7741, 49.6659

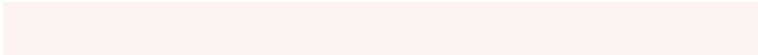


0.9186, 0.3678, 4.8359

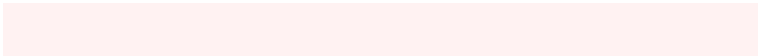


# Inverse Universe

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



88.7383, 91.4568, 97.7744



89.1319, 91.3393, 97.1375



90.0749, 96.7100, 98.7151



18.9067, 19.2999, 20.4512



21.5492, 11.1090, 1.0104

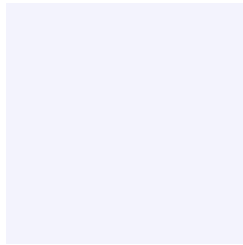


2.0983, 1.0817, 0.0988



# Previews

## White Background



This preview shows how the XYZ color 86.7424, 90.2477, 105.7762 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

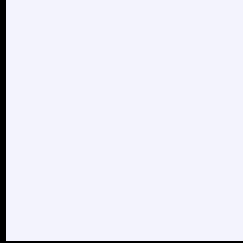
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.7424, 90.2477, 105.7762 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

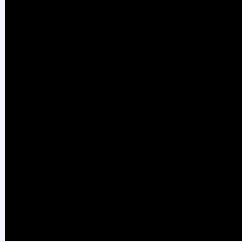
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.7424, 90.2477, 105.7762

## Background



This preview shows how black text looks on a background with the XYZ color 86.7424, 90.2477, 105.7762.



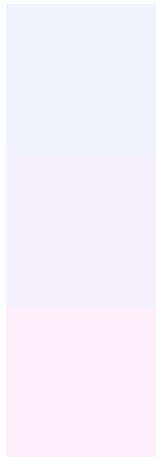
This preview shows how white text looks on a background with the XYZ color 86.7424, 90.2477,

105.762.

# 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

86.7424, 90.2477, 105.7762

### Protanopia

87.1379, 90.0086, 105.7092

### Deuteranopia

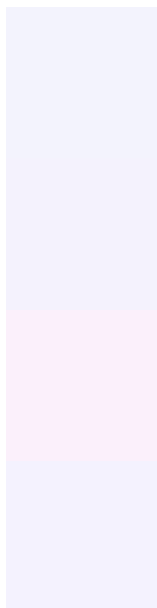
89.3618, 89.8951, 103.0841



## Tritanopia

87.1104, 89.9574, 107.3800

# Trichromacy



## Original Color

86.7424, 90.2477, 105.7762

## Protanomaly

86.7900, 89.8292, 105.6930

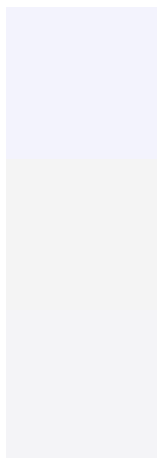
## Deuteranomaly

88.3563, 89.7944, 103.9420

## Tritanomaly

86.9498, 89.8931, 106.5343

# Monochromacy



## Original Color

86.7424, 90.2477, 105.7762

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.4474, 90.6499, 100.9366

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.7424, 90.2477, 105.7762 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(243, 243, 253)` looks like.

```
.text, #text, p{  
    color:rgb(243, 243, 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(243, 243, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 243, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 86.7424, 90.2477, 105.7762 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(243, 243, 253) }
```



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

```
.border{ border-color:rgb(243, 243, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 243, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 243, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 243, 253);  
box-shadow:4px 4px 4px 4px rgb(243, 243,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.7424, 90.2477, 105.7762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 243, 253) }
```

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

```
.background{ background-color: rgb(243,  
243, 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](#).

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