

# Converting Colors

XYZ(88.6989, 92.7189,  
107.8293)

Have a look what the booklet for  
XYZ(88.6989, 92.7189, 107.8293)  
contains.

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# **Color**

**XYZ(88.6620, 92.5440,  
107.7975)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F6FF
RGB	245, 246, 255
RGB Percent	96%, 96%, 100%
CMY	0.0392, 0.0353, 0.0000
CMYK	0.04, 0.04, 0.00, 0.00
HSL	234°, 100%, 98%
HSV	234°, 4%, 100%
XYZ	88.6620, 92.5440, 107.7975
YIQ	246.7270, -3.4850, 2.5870

# Conversions

## Conversions Part 2

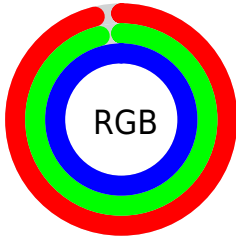
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 246, 255
Decimal	16119551
CIE <sub>Lab</sub>	97.04, 1.29, -4.43
CIE <sub>LCh</sub>	97, 4.617, 286.253
Yxy	92.5440, 0.3068, 0.3202
Android (android.graphics.Color)	4294309631 (0xFF5F6FF)
YUV	246.7270, 4.0786, -1.5146
Hunter-Lab	96.1998, -3.8361, 0.9019

# Details

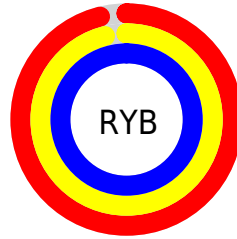
The XYZ color 88.6620, 92.5440, 107.7975 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.1624, 98.7340, 100.5352, and the grayscale version is 88.1585, 92.7496, 101.0043.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.5928, 51.7229, 60.7958 is the 20% darker color. If you saturate the color by 10%, you get 73.8199, 75.1684, 105.2260, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

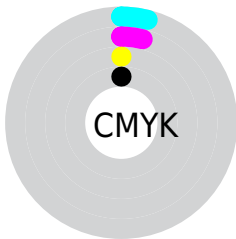
# Distribution



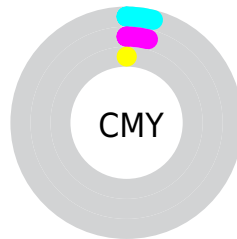
- Red (96%)
- Green (96%)
- Blue (100%)



- Red (96%)
- Yellow (96%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.6620, 92.5440, 107.7975 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 88.6620, 92.5440, 107.7975 by changing the saturation by 10% instead.



88.6620, 92.5440,  
107.7975

88.6620, 92.5440,  
107.7975

511.9717,  
536.2721, 606.3722

67.2041, 70.0926,  
82.1753

144.3663,  
150.8671, 173.9772

49.5218, 51.6020,  
60.9733

179.3433,  
187.5076, 215.3717

35.2498, 36.6879,  
43.7732

219.5574,  
229.6466, 262.8607

24.0228, 24.9660,  
30.1564

265.3740,  
277.6684, 316.8627

15.4754, 16.0517,  
19.7043

317.1584,  
331.9574, 377.7964

9.2422, 9.5607,  
11.9983

375.2759,

4.9578, 5.1087,

392.8981, 446.0801

6.6200

440.0919,  
460.8749, 522.1326

■ 2.2570, 2.3112,  
3.1508

■ 0.7726, 0.7796,  
1.1721

■ 88.6620, 92.5440,  
107.7975

■ 88.6620, 92.5440,  
107.7975

■ 73.8199, 75.1684,  
105.2260

95.0500, 100.0000,  
108.9000

■ 60.9820, 60.0562,  
102.9857

■ 50.0643, 47.1175,  
101.0636

■ 40.9741, 36.2519,  
99.4455

■ 33.6110, 27.3513,  
98.1156

■ 27.8649, 20.2975,  
97.0569

■ 23.6127, 14.9597,  
96.2507

■ 20.7136, 11.1896,  
95.6758

■ 18.9988, 8.8128,  
95.3074

# Harmonies

## Analogous

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



87.3674, 92.5440, 107.8823



88.6620, 92.5440, 107.7975



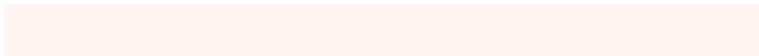
89.7791, 92.5440, 105.7982

# Triad

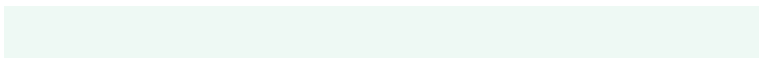
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6620, 92.5440, 107.7975



89.7007, 92.5440, 95.6793



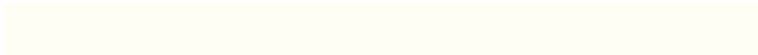
85.5536, 92.5440, 99.0724

# Complementary

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



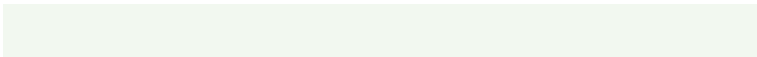
88.6620, 92.5440, 107.7975



93.1624, 98.7340, 100.5352

# 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.



86.1662, 92.5440, 95.8934



88.6620, 92.5440, 107.7975



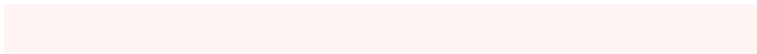
88.5559, 92.5440, 93.9672

# Square

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



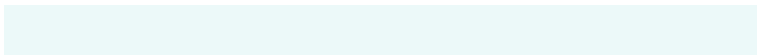
88.6620, 92.5440, 107.7975



90.3828, 92.5440, 98.7736



87.2623, 92.5440, 94.0446



85.5814, 92.5440, 102.7823

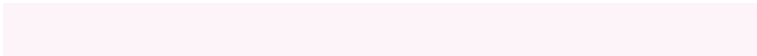


# Rectangle

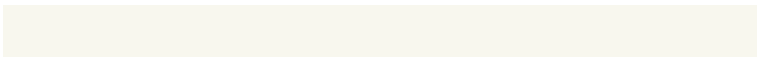
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



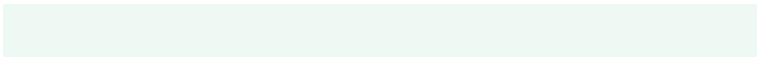
88.6620, 92.5440, 107.7975



90.2691, 92.5440, 103.6762



87.2623, 92.5440, 94.0446



85.6912, 92.5440, 97.9082

# Sweetspot

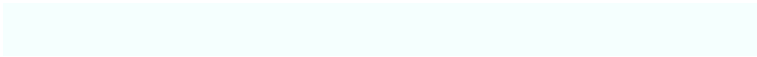
The Sweet Spot groups the original color and five complimentary colors.



88.6644, 92.5478, 107.7981



93.3906, 98.0646, 108.6139



91.2797, 98.0779, 107.7462



20.0069, 21.0103, 23.2509



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.



88.6644, 92.5478, 107.7981



86.9632, 90.5603, 107.5042



89.7110, 92.6354, 107.7599



18.3794, 19.1098, 22.9698



9.6678, 4.2451, 49.7444



0.9878, 0.5062, 4.8589

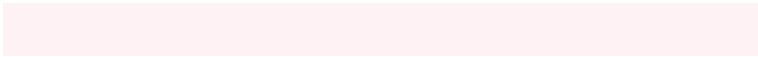


# Inverse Universe

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



90.5285, 93.2202, 100.4153



89.3244, 91.4163, 98.1514



92.0858, 98.6530, 100.5764



18.9533, 19.3185, 20.6965



21.6680, 11.1565, 1.6364

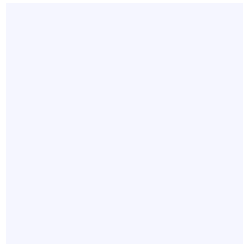


2.1332, 1.0956, 0.2828



# Previews

## White Background



This preview shows how the XYZ color 88.6620, 92.5440, 107.7975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

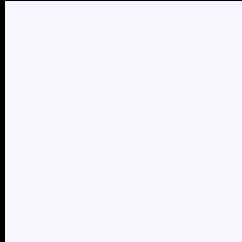
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.6620, 92.5440, 107.7975 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 88.6620, 92.5440, 107.7975

## Background



This preview shows how black text looks on a background with the XYZ color 88.6620, 92.5440, 107.7975.



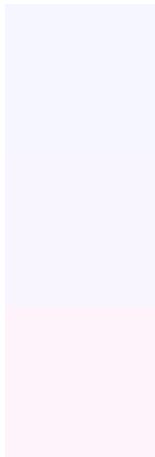
This preview shows how white text looks on a background with the XYZ color 88.6620, 92.5440,



# 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

88.6620, 92.5440, 107.7975

### Protanopia

89.2532, 92.4170, 106.9001

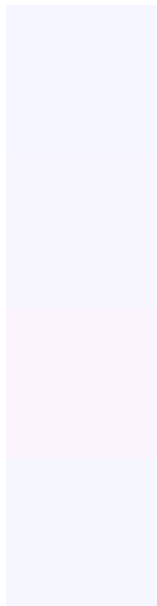
### Deuteranopia

90.7032, 92.3262, 104.3070

## **Tritanopia**

89.0118, 92.7244, 107.8139

# Trichromacy



## Original Color

88.6620, 92.5440, 107.7975

## Protanomaly

88.8996, 92.2347, 106.8835

## Deuteranomaly

89.7050, 92.2389, 105.1714

## Tritanomaly

89.0118, 92.7244, 107.8139

# Monochromacy



## Original Color

88.6620, 92.5440, 107.7975

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.5221, 93.0165, 103.7308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.6620, 92.5440, 107.7975 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(245, 246, 255) looks like.

```
.text, #text, p{  
    color:rgb(245, 246, 255)  
}
```

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(245, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.6620, 92.5440, 107.7975 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(245, 246, 255) }
```



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

```
.border{ border-color:rgb(245, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.6620, 92.5440, 107.7975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 246, 255) }
```

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

```
.background{ background-color: rgb(245,  
246, 255) }
```

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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