

# Converting Colors

XYZ(87.3294, 92.4216, 96.8569)

Have a look what the booklet for  
XYZ(87.3294, 92.4216, 96.8569)  
contains.

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# Color

**XYZ(87.6455, 92.7065,  
97.2791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F7F2
RGB	247, 247, 242
RGB Percent	97%, 97%, 95%
CMY	0.0314, 0.0313, 0.0510
CMYK	0.00, 0.00, 0.02, 0.03
HSL	60°, 24%, 96%
HSV	60°, 2%, 97%
XYZ	87.6455, 92.7065, 97.2791
YIQ	246.4300, 1.6050, -1.5550

# Conversions

## Conversions Part 2

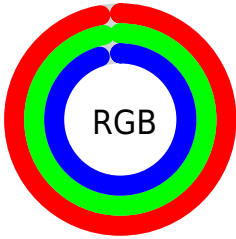
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 247, 242
Decimal	16250866
CIE Lab	97.11, -0.87, 2.39
CIE LCh	97, 2.540, 109.956
Yxy	92.7065, 0.3157, 0.3339
Android (android.graphics.Color)	4294440946 (0xFF7F7F2)
YUV	246.4300, -2.1840, 0.4999
Hunter-Lab	96.2842, -6.0126, 7.4963

# Details

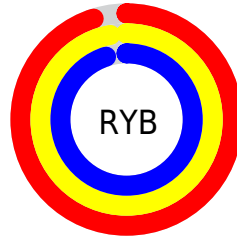
The XYZ color 87.6455, 92.7065, 97.2791 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.1622, 89.0994, 100.7099, and the grayscale version is 87.9640, 92.5449, 100.7814.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.9796, 51.8831, 53.8873 is the 20% darker color. If you saturate the color by 10%, you get 84.1763, 91.3208, 79.0413, and if you desaturate by 10%, it is 89.6790, 93.5238, 107.9330.

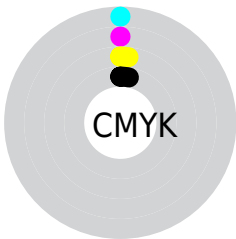
# Distribution



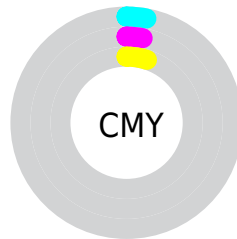
- Red (97%)
- Green (97%)
- Blue (95%)



- Red (95%)
- Yellow (97%)
- Blue (95%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)



- Cyan (3%)
- Magenta (3%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6455, 92.7065, 97.2791 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 87.6455, 92.7065, 97.2791 by changing the saturation by 10% instead.



87.6455, 92.7065,  
97.2791

87.6455, 92.7065,  
97.2791

508.6944,  
536.7962, 572.6055

66.3593, 70.2276,  
73.4260

142.9586,  
151.0922, 159.4321

48.8329, 51.7121,  
53.8304

177.7162,  
187.7678, 198.5691

34.7010, 36.7756,  
38.0738

217.6950,  
229.9444, 243.6377

23.5980, 25.0338,  
25.7377

263.2604,  
278.0064, 295.0566

15.1588, 16.1023,  
16.4035

314.7776,  
332.3381, 353.2443

9.0180, 9.5965,  
9.6527

372.6122,

4.8101, 5.1323,

393.3241, 418.6193

5.0667

437.1293,  
461.3487, 491.6002

■ 2.1699, 2.3251,  
2.2270

■ 0.7268, 0.7869,  
0.6899

■ 87.6455, 92.7065,  
97.2791

■ 87.6455, 92.7065,  
97.2791

■ 84.1763, 91.3208,  
79.0413

■ 89.6790, 93.5238,  
107.9330

■ 81.1857, 90.1237,  
63.3354


■ 89.6871, 93.5280,  
107.9334


■ 78.6550, 89.1104,  
50.0514


■ 89.6952, 93.5322,  
107.9338


■ 76.5614, 88.2720,  
39.0688

■ 89.7034, 93.5364,  
107.9342


 74.8799, 87.5985,  
30.2570


 89.7115, 93.5406,  
107.9346


 73.5834, 87.0790,  
23.4719


 89.7196, 93.5447,  
107.9350


 72.6412, 86.7011,  
18.5525

 89.7278, 93.5489,  
107.9353

 72.0179, 86.4509,  
15.3131

 89.7359, 93.5531,  
107.9357

 71.6713, 86.3113,  
13.5300

 89.7440, 93.5573,  
107.9361

# Harmonies

## Analogous

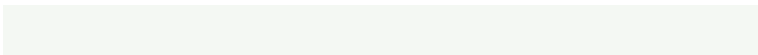
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3552, 92.7065, 97.1071



87.6455, 92.7065, 97.2791



87.0645, 92.7065, 98.4250

# Triad

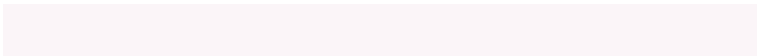
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6455, 92.7065, 97.2791



87.2316, 92.7065, 103.9916



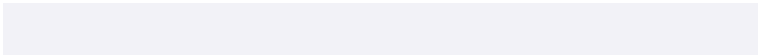
89.4779, 92.7065, 101.6311

# Complementary

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



87.6455, 92.7065, 97.2791



85.1622, 89.0994, 100.7099

# 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.



89.1734, 92.7065, 103.5008



87.6455, 92.7065, 97.2791



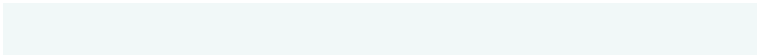
87.8748, 92.7065, 104.8758

# Square

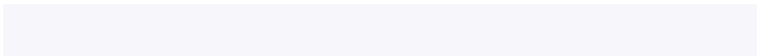
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



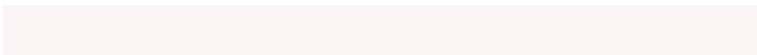
87.6455, 92.7065, 97.2791



86.8264, 92.7065, 102.2939



88.5857, 92.7065, 104.6949



89.4157, 92.7065, 99.6013

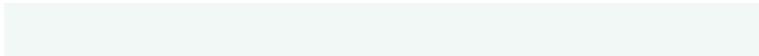


# Rectangle

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



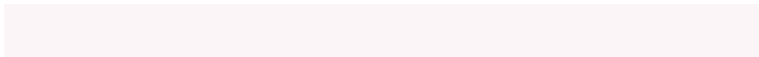
87.6455, 92.7065, 97.2791



86.8272, 92.7065, 99.5957



88.5857, 92.7065, 104.6949



89.4150, 92.7065, 102.2996

# Sweetspot

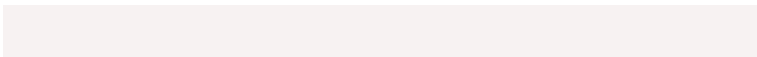
The Sweet Spot groups the original color and five complimentary colors.



87.6481, 92.7105, 97.2811



94.6412, 99.8364, 106.7520



86.1398, 89.6914, 96.7779



20.2614, 21.3708, 22.8720



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.



87.6481, 92.7105, 97.2811



94.2379, 99.6750, 104.6326



86.7732, 92.2595, 97.2402



18.4785, 19.5391, 20.5515



37.8345, 45.6172, 6.8109

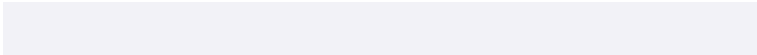


3.3258, 4.0096, 0.5986



# Inverse Universe

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



85.1622, 89.0994, 100.7099



91.5948, 95.8355, 108.2783



86.0254, 89.5444, 100.7503



17.9878, 18.8263, 21.2283



8.8811, 3.5527, 46.7557

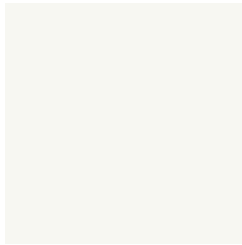


0.7811, 0.3125, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 87.6455, 92.7065, 97.2791 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

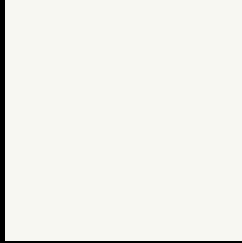
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.6455, 92.7065, 97.2791 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

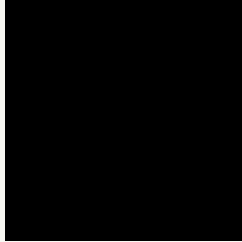
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

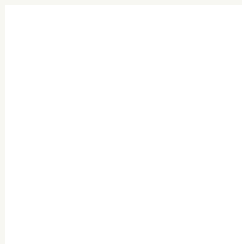
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.6455, 92.7065, 97.2791

## Background



This preview shows how black text looks on a background with the XYZ color 87.6455, 92.7065, 97.2791.



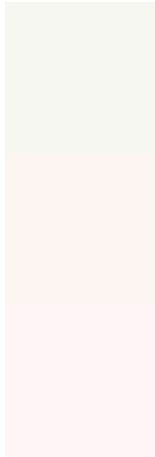
This preview shows how white text looks on a background with the XYZ color 87.6455, 92.7065, 97.2791.



# 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

87.6455, 92.7065, 97.2791

### Protanopia

88.6745, 92.3511, 96.3710

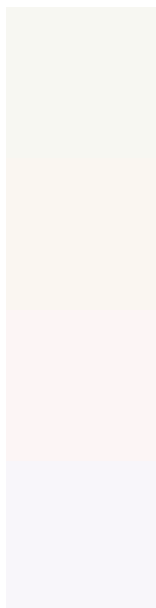
### Deuteranopia

90.2252, 92.6152, 100.3099

## Tritanopia

89.4138, 92.4813, 107.7458

# Trichromacy



## Original Color

87.6455, 92.7065, 97.2791

## Protanomaly

88.2573, 92.5864, 96.4384

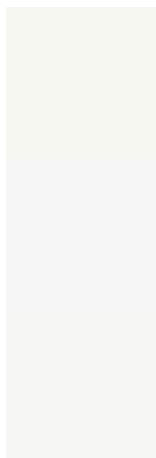
## Deuteranomaly

89.2787, 92.5928, 99.5529

## Tritanomaly

88.9225, 92.7701, 103.6622

# Monochromacy



## Original Color

87.6455, 92.7065, 97.2791

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.4432, 92.0969, 99.5539

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.6455, 92.7065, 97.2791 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(247, 247, 242) looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 242)  
}
```

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(247, 247, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 87.6455, 92.7065, 97.2791 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(247, 247, 242) }
```



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

```
.border{ border-color:rgb(247, 247, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 247, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 242);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.6455, 92.7065, 97.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 242) }
```

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

```
.background{ background-color: rgb(247,  
247, 242) }
```

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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