

# Converting Colors

XYZ(87.1912, 86.9908, 97.9308)

Have a look what the booklet for  
XYZ(87.1912, 86.9908, 97.9308)  
contains.

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# Color

**XYZ(87.2775, 87.2083,  
97.8208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBF4
RGB	255, 235, 244
RGB Percent	100%, 92%, 96%
CMY	0.0000, 0.0784, 0.0431
CMYK	0.00, 0.08, 0.04, 0.00
HSL	333°, 100%, 96%
HSV	333°, 8%, 100%
XYZ	87.2775, 87.2083, 97.8208
YIQ	242.0060, 9.0310, 7.0390

# Conversions

## Conversions Part 2

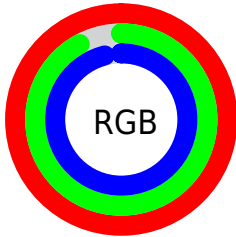
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 235, 244
Decimal	16772084
CIE Lab	94.83, 8.29, -1.90
CIE LCh	95, 8.502, 347.064
Yxy	87.2083, 0.3205, 0.3203
Android (android.graphics.Color)	4294962164 (0xFFFFEBF4)
YUV	242.0060, 0.9830, 11.3957
Hunter-Lab	93.3854, 3.4008, 3.2637

# Details

The XYZ color **87.2775, 87.2083, 97.8208** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6581, 95.8373, 101.1233**, and the grayscale version is **84.3921, 88.7870, 96.6891**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4859, 47.8768, 54.2626** is the 20% darker color. If you saturate the color by 10%, you get **78.4441, 72.8213, 84.7656**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

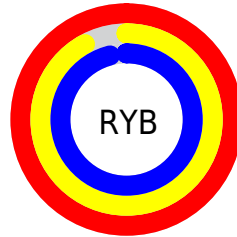
# Distribution



Red (100%)

Green (92%)

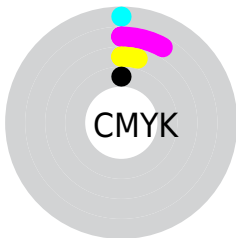
Blue (96%)



Red (100%)

Yellow (92%)

Blue (96%)

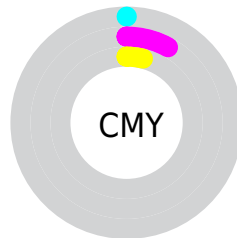


Cyan (0%)

Magenta (8%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.2775, 87.2083, 97.8208 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 87.2775, 87.2083, 97.8208 by changing the saturation by 10% instead.




 87.2775, 87.2083,  
97.8208

 87.2775, 87.2083,  
97.8208


507.5052,  
518.9071, 574.3700

 66.0537, 65.6676,  
73.8751

142.4485,  
143.4544, 160.1849

 48.5838, 48.0026,  
54.1957


177.1265,  
178.9287, 199.4404

 34.5026, 33.8290,  
38.3639


217.0198,  
219.8162, 244.6363

 23.4447, 22.7622,  
25.9612


262.4939,  
266.5014, 296.1910

 15.0447, 14.4180,  
16.5691

313.9142,  
319.3687, 354.5233

 8.9373, 8.4120,  
9.7691

371.6459,

 4.7571, 4.3597,

378.8025, 420.0515

5.1425

436.0544,  
445.1872, 493.1942

■ 2.1387, 1.8767,  
2.2709

■ 0.7101, 0.5343,  
0.7149

■ 87.2775, 87.2083,  
97.8208

■ 87.2775, 87.2083,  
97.8208

■ 78.4441, 72.8213,  
84.7656

95.0500, 100.0000,  
108.9000

■ 70.7696, 60.4986,  
72.8775

■ 64.2046, 50.1472,  
62.1230

■ 58.6939, 41.6629,  
52.4648

■ 54.1775, 34.9320,  
43.8630

■ 50.5888, 29.8279,  
36.2749

■ 47.8525, 26.2071,  
29.6538

■ 45.8803, 23.9003,  
23.9476

■ 44.5554, 22.6818,  
19.0937

# Harmonies

## Analogous

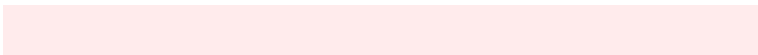
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1714, 87.2083, 103.8532



87.2775, 87.2083, 97.8208



87.1921, 87.2083, 91.2841

# Triad

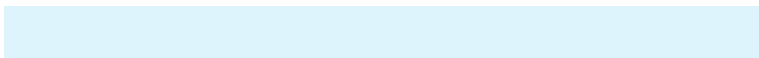
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2775, 87.2083, 97.8208



81.5970, 87.2083, 83.3462



79.9106, 87.2083, 104.5400

# Complementary

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



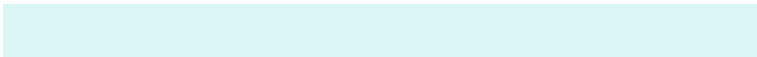
87.2775, 87.2083, 97.8208



86.6581, 95.8373, 101.1233

# Split Complementary

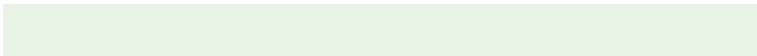
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7296, 87.2083, 98.7231



87.2775, 87.2083, 97.8208



79.6908, 87.2083, 86.5802

# Square

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



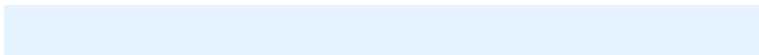
87.2775, 87.2083, 97.8208



83.8836, 87.2083, 83.1298



78.6499, 87.2083, 92.1458



81.9021, 87.2083, 107.8516

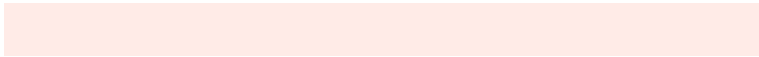


# Rectangle

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



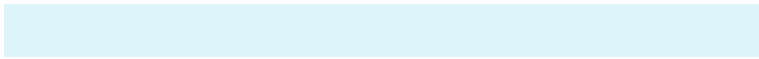
87.2775, 87.2083, 97.8208



86.4708, 87.2083, 87.5188



78.6499, 87.2083, 92.1458



79.4072, 87.2083, 102.8009

# Sweetspot

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



87.2794, 87.2118, 97.8227



92.9961, 96.6097, 106.0033



85.7670, 86.2334, 106.7320



19.9265, 20.7140, 22.7195



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

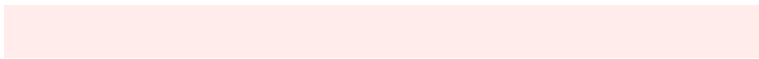
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2794, 87.2118, 97.8227



86.1942, 85.4348, 96.2481



86.2333, 87.2526, 90.8982



18.3491, 18.1229, 20.4555



23.2304, 11.7814, 9.8636



2.3160, 1.1688, 1.2454



# Inverse Universe

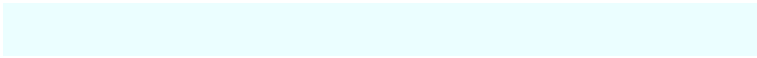
The Inverse Universe completely reimagines the original color for something new.



87.2794, 87.2118, 97.8227



86.1942, 85.4348, 96.2481



87.7548, 95.7670, 108.4674



18.3491, 18.1229, 20.4555



23.2304, 11.7814, 9.8636

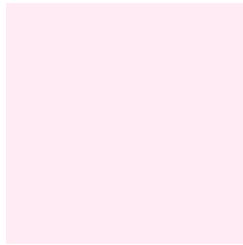


2.3160, 1.1688, 1.2454



# Previews

## White Background



This preview shows how the XYZ color 87.2775, 87.2083, 97.8208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

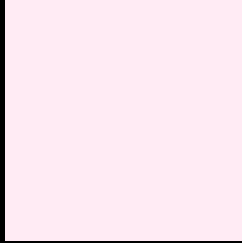
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.2775, 87.2083, 97.8208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

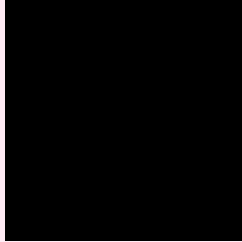
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.2775, 87.2083, 97.8208

## Background



This preview shows how black text looks on a background with the XYZ color 87.2775, 87.2083, 97.8208.



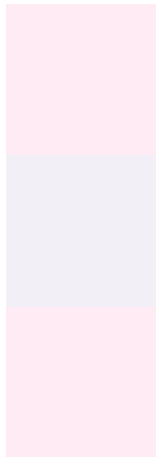
This preview shows how white text looks on a background with the XYZ color 87.2775, 87.2083,



# 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

87.2775, 87.2083, 97.8208

### Protanopia

84.4632, 87.4415, 99.6150

### Deuteranopia

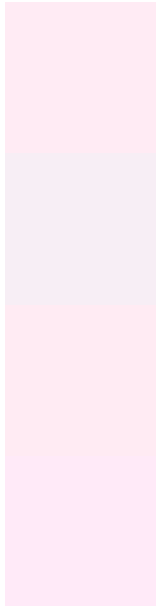
87.1260, 87.1477, 97.0232



## Tritanopia

88.0754, 87.0707, 103.4310

# Trichromacy



## Original Color

87.2775, 87.2083, 97.8208

## Protanomaly

85.4137, 87.5158, 98.7767

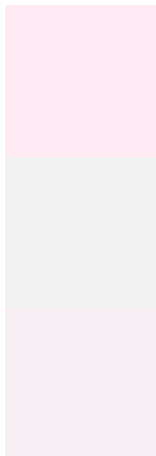
## Deuteranomaly

87.1260, 87.1477, 97.0232

## Tritanomaly

87.6061, 86.8829, 100.9597

# Monochromacy



## Original Color

87.2775, 87.2083, 97.8208

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

85.4019, 87.9782, 97.2743

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.2775, 87.2083, 97.8208 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, 235, 244) looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 244)  
}
```

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, 235, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 87.2775, 87.2083, 97.8208 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, 235, 244) }
```



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

```
.border{ border-color:rgb(255, 235, 244) }
```

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

Here you see how a box with a 4 pixel rgb(255, 235, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.2775, 87.2083, 97.8208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 244) }
```

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

```
.background{ background-color: rgb(255,  
235, 244) }
```

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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