

Converting Colors

XYZ(84.3377, 90.0210, 89.6004)

Have a look what the booklet for
XYZ(84.3377, 90.0210, 89.6004)
contains.

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Color

**XYZ(84.2244, 89.7607,
89.2304)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F4E8
RGB	244, 244, 232
RGB Percent	96%, 96%, 91%
CMY	0.0431, 0.0431, 0.0902
CMYK	0.00, 0.00, 0.05, 0.04
HSL	60°, 35%, 93%
HSV	60°, 5%, 96%
XYZ	84.2244, 89.7607, 89.2304
YIQ	242.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

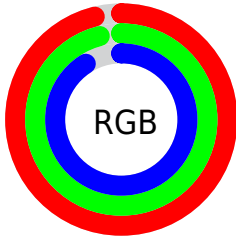
Format	Color
R _Y B	232, 244, 232
Decimal	16053480
CIE Lab	95.90, -2.06, 5.77
CIE LCh	96, 6.124, 109.693
Yxy	89.7607, 0.3200, 0.3410
Android (android.graphics.Color)	4294243560 (0xFFFF4F4E8)
YUV	242.6320, -5.2416, 1.1997
Hunter-Lab	94.7421, -7.1148, 10.4787

Details

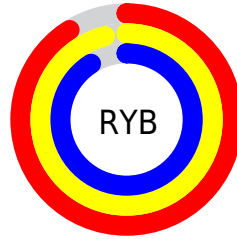
The XYZ color **84.2244, 89.7607, 89.2304** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.4680, 81.4032, 97.1694**, and the grayscale version is **84.9393, 89.3628, 97.3161**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5587, 49.7924, 48.2313** is the 20% darker color. If you saturate the color by 10%, you get **80.9939, 88.4710, 72.2254**, and if you desaturate by 10%, it is **87.7145, 91.1600, 107.5803**.

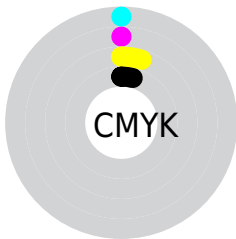
Distribution



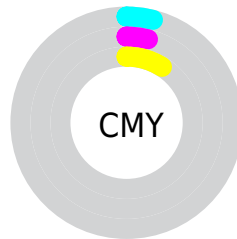
- Red (96%)
- Green (96%)
- Blue (91%)



- Red (91%)
- Yellow (96%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2244, 89.7607, 89.2304 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 84.2244, 89.7607, 89.2304 by changing the saturation by 10% instead.

84.2244, 89.7607,
89.2304

84.2244, 89.7607,
89.2304

497.5805,
527.2521, 546.0296

63.5211, 67.7822,
66.7724

138.2087,
147.0060, 148.1951

46.5231, 49.7206,
48.4393

172.2203,
183.0415, 185.5389

32.8652, 35.1914,
33.8124

211.3987,
224.5315, 228.6816

22.1819, 23.8104,
22.4733

256.1094,
271.8603, 278.0420

14.1080, 15.1930,
14.0035

306.7175,
325.4124, 334.0384

8.2780, 8.9550,
7.9843

363.5885,

4.3266, 4.7118,

385.5721, 397.0894

3.9973

427.0877,
452.7239, 467.6136

■ 1.8885, 2.0792,
1.6239

■ 0.5702, 0.6529,
0.3078

■ 84.2244, 89.7607,
89.2304

■ 84.2244, 89.7607,
89.2304

■ 80.9939, 88.4710,
72.2254

■ 87.7145, 91.1600,
107.5803

■ 78.2226, 87.3621,
57.6491


■ 87.7178, 91.1617,
107.5805


■ 75.8918, 86.4294,
45.3926


■ 87.7212, 91.1635,
107.5806


■ 73.9787, 85.6638,
35.3363


■ 87.7245, 91.1652,
107.5808


 72.4588, 85.0554,
27.3499


 87.7279, 91.1669,
107.5810


 71.3046, 84.5934,
21.2895


 87.7312, 91.1687,
107.5811


 70.4853, 84.2653,
16.9927

 87.7346, 91.1704,
107.5813

 69.9651, 84.0568,
14.2706

 87.7380, 91.1721,
107.5814

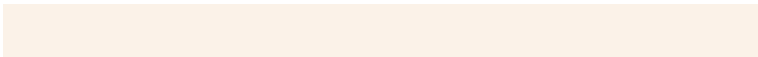
 69.6998, 83.9503,
12.8911

 87.7413, 91.1738,
107.5816

Harmonies

Analogous

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



85.8977, 89.7607, 88.8600



84.2244, 89.7607, 89.2304



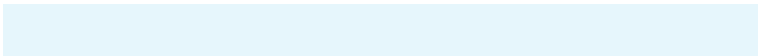
82.8605, 89.7607, 91.8361

Triad

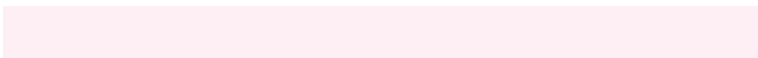
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2244, 89.7607, 89.2304



83.2298, 89.7607, 105.0050



88.5524, 89.7607, 99.4090

Complementary

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



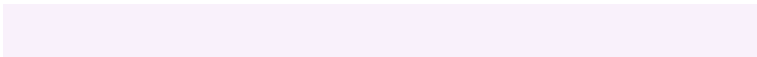
84.2244, 89.7607, 89.2304



78.4680, 81.4032, 97.1694

Split Complementary

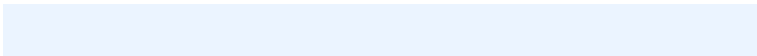
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8172, 89.7607, 103.8795



84.2244, 89.7607, 89.2304



84.7347, 89.7607, 107.1803

Square

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



84.2244, 89.7607, 89.2304



82.2915, 89.7607, 100.9042



86.4147, 89.7607, 106.7617



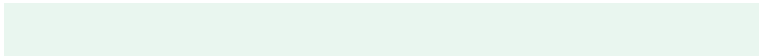
88.4114, 89.7607, 94.6312

Rectangle

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



84.2244, 89.7607, 89.2304



82.3031, 89.7607, 94.5394



86.4147, 89.7607, 106.7617



88.3992, 89.7607, 101.0000

Sweetspot

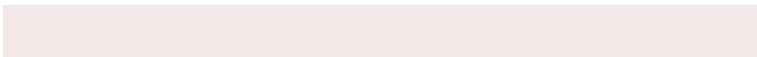
The Sweet Spot groups the original color and five complimentary colors.



84.2269, 89.7646, 89.2323



94.6417, 99.8367, 106.7520



80.7332, 82.7747, 88.0673



20.2615, 21.3709, 22.8720



0.0000, 0.0000, 0.0000



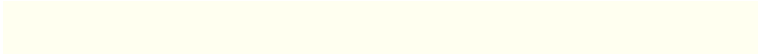
20.3446, 21.4041, 23.3091

Same Dimension

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



84.2269, 89.7646, 89.2323



92.6814, 99.0523, 96.4388



82.1794, 88.7091, 89.1365



18.1188, 19.3952, 18.6582



37.8588, 45.6297, 6.8120



3.3276, 4.0105, 0.5987

Inverse Universe

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



78.4680, 81.4032, 97.1694



84.9573, 87.8375, 107.0844



80.4484, 82.4241, 97.2621



16.4541, 16.9782, 20.9525



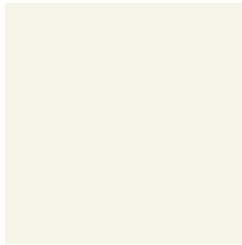
8.8798, 3.5520, 46.7556



0.7807, 0.3123, 4.1094

Previews

White Background



This preview shows how the XYZ color 84.2244, 89.7607, 89.2304 looks on a white background.

Color Contrast Check

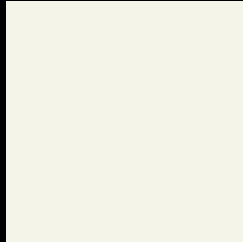
Large Text (above 18pt) WCAG AA × Fail

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 84.2244, 89.7607, 89.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

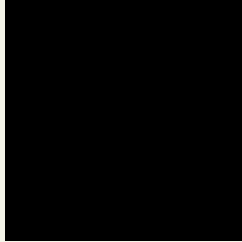
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

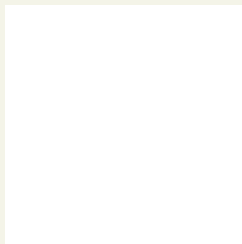
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.2244, 89.7607, 89.2304

Background



This preview shows how black text looks on a background with the XYZ color 84.2244, 89.7607, 89.2304.



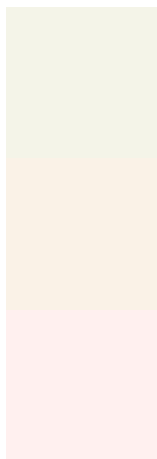
This preview shows how white text looks on a background with the XYZ color 84.2244, 89.7607,

89.2304.

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

84.2244, 89.7607, 89.2304

Protanopia

85.6003, 89.5978, 88.3838

Deuteranopia

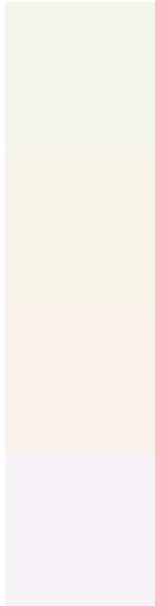
87.9801, 89.8122, 94.3598



Tritanopia

87.8631, 89.9048, 107.3302

Trichromacy



Original Color

84.2244, 89.7607, 89.2304

Protanomaly

85.1858, 89.8272, 88.4499

Deuteranomaly

86.3793, 89.4760, 92.0748

Tritanomaly

86.5467, 89.8125, 100.7697

Monochromacy



Original Color

84.2244, 89.7607, 89.2304

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.5927, 89.3879, 94.4564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2244, 89.7607, 89.2304 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(244, 244, 232) looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 232)  
}
```

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(244, 244, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 232) }
```

Border

The CSS property to change the border of an element to XYZ 84.2244, 89.7607, 89.2304 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(244, 244, 232) }
```


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

```
.border{ border-color:rgb(244, 244, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 232);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2244, 89.7607, 89.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 232) }
```

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

```
.background{ background-color: rgb(244,  
244, 232) }
```

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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