

Converting Colors

XYZ(84.5943, 89.8372, 83.7034)

Have a look what the booklet for
XYZ(84.5943, 89.8372, 83.7034)
contains.

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Color

**XYZ(84.5721, 89.6227,
83.3625)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F3E0
RGB	249, 243, 224
RGB Percent	98%, 95%, 88%
CMY	0.0235, 0.0470, 0.1216
CMYK	0.00, 0.02, 0.10, 0.02
HSL	46°, 68%, 93%
HSV	46°, 10%, 98%
XYZ	84.5721, 89.6227, 83.3625
YIQ	242.6280, 9.6750, -4.6370

Conversions

Conversions Part 2

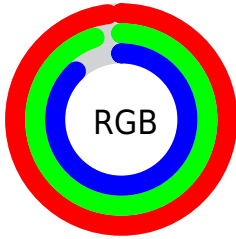
Format	Color
R_{YB}	232, 249, 224
Decimal	16380896
CIE Lab	95.84, -1.16, 9.86
CIE LCh	96, 9.931, 96.687
Yxy	89.6227, 0.3284, 0.3480
Android (android.graphics.Color)	4294570976 (0xFFFF9F3E0)
YUV	242.6280, -9.1836, 5.5882
Hunter-Lab	94.6693, -6.2095, 14.0598

Details

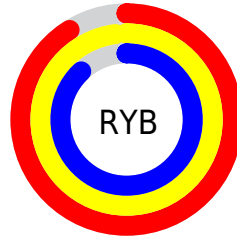
The XYZ color **84.5721, 89.6227, 83.3625** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1362, 79.2793, 100.9132**, and the grayscale version is **84.9631, 89.3878, 97.3434**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9241, 49.7427, 44.6642** is the 20% darker color. If you saturate the color by 10%, you get **79.6821, 84.8565, 66.2740**, and if you desaturate by 10%, it is **90.0197, 94.7109, 103.0789**.

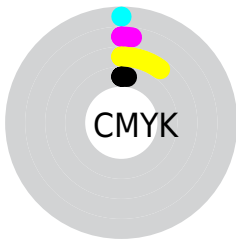
Distribution



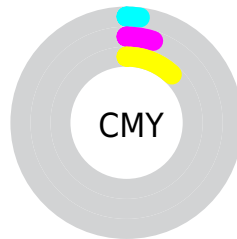
- Red (98%)
- Green (95%)
- Blue (88%)



- Red (91%)
- Yellow (98%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (2%)



- Cyan (2%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5721, 89.6227, 83.3625 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 84.5721, 89.6227, 83.3625 by changing the saturation by 10% instead.

84.5721, 89.6227,
83.3625

84.5721, 89.6227,
83.3625

498.7161,
526.8027, 526.1965

63.8092, 67.6678,
61.9469

138.6923,
146.8142, 139.9368

46.7572, 49.6275,
44.5543

172.7803,
182.8195, 175.9326

33.0509, 35.1175,
30.7661

212.0407,
224.2771, 217.6256

22.3249, 23.7534,
20.1638

256.8388,
271.5714, 265.4342

14.2138, 15.1508,
12.3289

307.5401,
325.0867, 319.7771

8.3522, 8.9253,
6.8429

364.5098,

4.3748, 4.6925,

385.2074, 381.0727

3.2871

428.1134,
452.3180, 449.7397

■ 1.9163, 2.0680,
1.2430

■ 0.5863, 0.6465,
0.0144

■ 84.5721, 89.6227,
83.3625

■ 84.5721, 89.6227,
83.3625

■ 79.6821, 84.8565,
66.2740

■ 90.0197, 94.7109,
103.0789

■ 75.3205, 80.3908,
51.6947

■ 92.8611, 98.8475,
108.7929

■ 71.4662, 76.2193,
39.5052

■ 92.8774, 98.8800,
108.7983

■ 68.0937, 72.3309,
29.5745

■ 65.1751, 68.7135,
21.7583

■ 62.6794, 65.3538,
15.8962

■ 60.5711, 62.2366,
11.8043

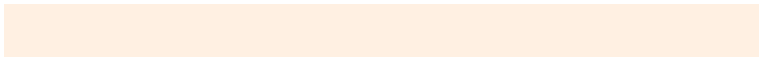
■ 58.8082, 59.3442,
9.2635

■ 57.3265, 56.6582,
7.9147

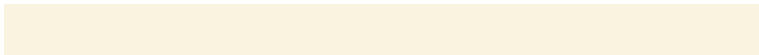
Harmonies

Analogous

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



87.2841, 89.6227, 84.3825



84.5721, 89.6227, 83.3625



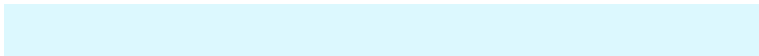
82.0770, 89.6227, 85.9861

Triad

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



84.5721, 89.6227, 83.3625



81.0315, 89.6227, 106.8715



90.1103, 89.6227, 103.6729

Complementary

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



84.5721, 89.6227, 83.3625



76.1362, 79.2793, 100.9132

Split Complementary

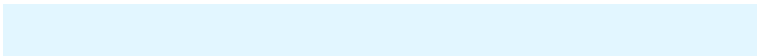
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3678, 89.6227, 110.1803



84.5721, 89.6227, 83.3625



83.1173, 89.6227, 112.0950

Square

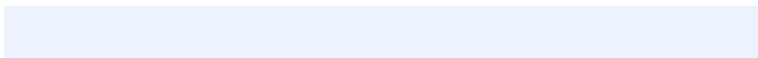
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5721, 89.6227, 83.3625



80.0614, 89.6227, 99.3502



85.7982, 89.6227, 113.3371



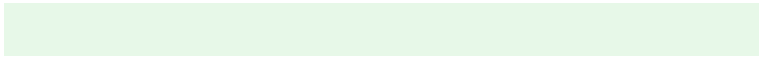
90.5200, 89.6227, 95.8386

Rectangle

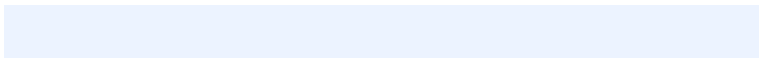
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5721, 89.6227, 83.3625



80.8596, 89.6227, 89.5356



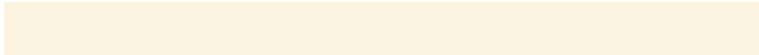
85.7982, 89.6227, 113.3371



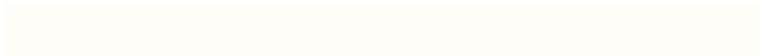
89.6592, 89.6227, 106.1006

Sweetspot

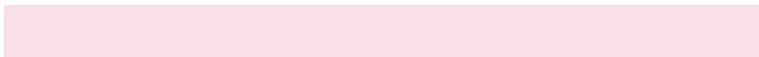
The Sweet Spot groups the original color and five complimentary colors.



84.5746, 89.6266, 83.3644



93.2601, 98.3521, 102.3476



80.0418, 79.1796, 86.1129



19.8611, 20.9582, 21.5411



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

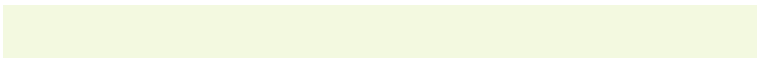
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5746, 89.6266, 83.3644



88.2123, 93.5904, 84.2212



84.2073, 92.1446, 83.8698



18.3540, 19.4439, 18.2481



30.8015, 30.5596, 4.2752



2.9344, 2.9936, 0.4232

Inverse Universe

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



76.1362, 79.2793, 100.9132



77.6977, 80.6974, 106.0888



76.4692, 77.0166, 100.4589



16.6210, 17.3188, 21.8521



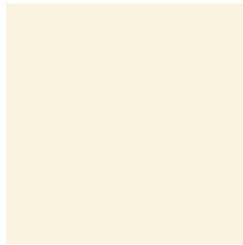
10.1009, 5.5573, 48.5138



1.0140, 0.6717, 4.5194

Previews

White Background



This preview shows how the XYZ color 84.5721, 89.6227, 83.3625 looks on a white background.

Color Contrast Check

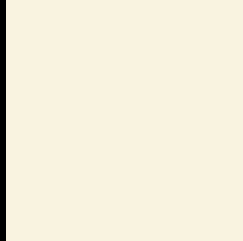
Large Text (above 18pt) WCAG AA × Fail

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 84.5721, 89.6227, 83.3625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

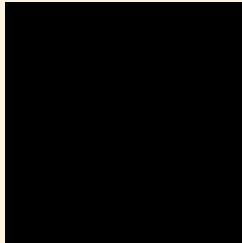
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.5721, 89.6227, 83.3625

Background



This preview shows how black text looks on a background with the XYZ color 84.5721, 89.6227, 83.3625.



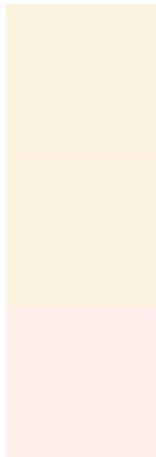
This preview shows how white text looks on a background with the XYZ color 84.5721, 89.6227,

83.3625.

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

84.5721, 89.6227, 83.3625

Protanopia

85.3516, 89.5815, 83.3135

Deuteranopia

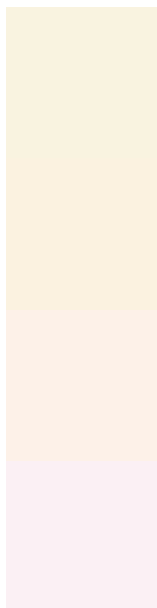
87.6862, 89.6946, 92.8120



Tritanopia

89.0614, 89.6485, 107.2176

Trichromacy



Original Color

84.5721, 89.6227, 83.3625

Protanomaly

84.9903, 89.3953, 83.2966

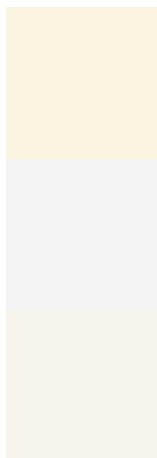
Deuteranomaly

86.5288, 89.6194, 89.0817

Tritanomaly

87.2729, 89.3611, 98.2366

Monochromacy



Original Color

84.5721, 89.6227, 83.3625

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.8471, 89.5698, 92.1737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.5721, 89.6227, 83.3625 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(249, 243, 224) looks like.

```
.text, #text, p{  
    color:rgb(249, 243, 224)  
}
```

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(249, 243, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 243, 224) }
```

Border

The CSS property to change the border of an element to XYZ 84.5721, 89.6227, 83.3625 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(249, 243, 224) }
```


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

```
.border{ border-color:rgb(249, 243, 224) }
```

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

Here you see how a box with a 4 pixel rgb(249, 243, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 243, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 243, 224);  
box-shadow:4px 4px 4px 4px rgb(249, 243,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5721, 89.6227, 83.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 243, 224) }
```

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

```
.background{ background-color: rgb(249,  
243, 224) }
```

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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