

Converting Colors

XYZ(78.8382, 83.4933, 68.4586)

Have a look what the booklet for
XYZ(78.8382, 83.4933, 68.4586)
contains.

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Color

**XYZ(78.8456, 83.5026,
68.4619)**

Conversions

Conversions Part 1

Format	Color
Hex	F7EBCB
RGB	247, 235, 203
RGB Percent	97%, 92%, 80%
CMY	0.0314, 0.0784, 0.2039
CMYK	0.00, 0.05, 0.18, 0.03
HSL	44°, 73%, 88%
HSV	44°, 18%, 97%
XYZ	78.8456, 83.5026, 68.4619
YIQ	234.9400, 17.4240, -7.4080

Conversions

Conversions Part 2

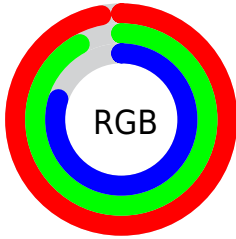
Format	Color
R _Y B	220, 247, 203
Decimal	16247755
CIE Lab	93.23, -1.03, 16.99
CIE LCh	93, 17.026, 93.478
Yxy	83.5026, 0.3416, 0.3618
Android (android.graphics.Color)	4294437835 (0xFFF7EBCB)
YUV	234.9400, -15.7464, 10.5766
Hunter-Lab	91.3798, -5.8986, 19.5456

Details

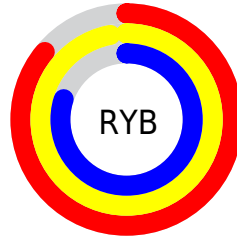
The XYZ color **78.8456, 83.5026, 68.4619** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.7173, 68.0113, 97.6601**, and the grayscale version is **79.0286, 83.1443, 90.5441**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7801, 45.3573, 34.9338** is the 20% darker color. If you saturate the color by 10%, you get **74.2427, 78.6376, 53.5441**, and if you desaturate by 10%, it is **83.9950, 88.7086, 85.8775**.

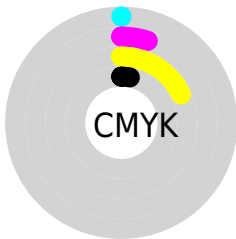
Distribution



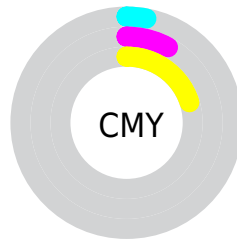
- Red (97%)
- Green (92%)
- Blue (80%)



- Red (86%)
- Yellow (97%)
- Blue (80%)



- Cyan (0%)
- Magenta (5%)
- Yellow (18%)
- Black (3%)





- Cyan (3%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8456, 83.5026, 68.4619 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 78.8456, 83.5026, 68.4619 by changing the saturation by 10% instead.


 78.8456, 83.5026,
68.4619

 78.8456, 83.5026,
68.4619


479.8299,
506.6600, 473.7732

 59.0741, 62.6049,
49.8046


130.7005,
138.2792, 118.6731

 42.9193, 45.5216,
34.8880


163.5147,
172.9268, 151.0641

 30.0161, 31.8685,
23.2938


201.4070,
212.9265, 188.8701

 19.9989, 21.2611,
14.6033

244.7430,
258.6627, 232.5095

 12.5025, 13.3150,
8.3979

293.8879,
310.5197, 282.4010

 7.1615, 7.6458,
4.2592

349.2071,

 3.6105, 3.8691,

368.8820, 338.9631

1.7686

411.0660,
434.1340, 402.6144

■ 1.4843, 1.6006,
0.4071

■ 0.3151, 0.3580,
0.0000

■ 78.8456, 83.5026,
68.4619

■ 78.8456, 83.5026,
68.4619

■ 74.2427, 78.6376,
53.5441

■ 83.9950, 88.7086,
85.8775

■ 70.1566, 74.0921,
41.0018

■ 89.7056, 94.2543,
105.8947

■ 66.5648, 69.8585,
30.7103

■ 92.1680, 98.5143,
108.7651

■ 63.4404, 65.9246,
22.5315

■ 60.7532, 62.2773,
16.3119

■ 58.4695, 58.9015,
11.8770

■ 56.5494, 55.7799,
9.0212

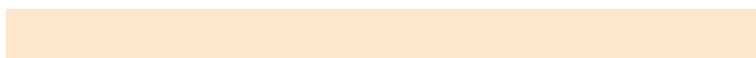
■ 54.9395, 52.8898,
7.4682

■ 54.6117, 52.2817,
7.2130

Harmonies

Analogous

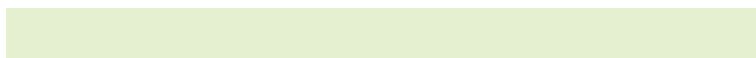
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2738, 83.5026, 70.5939



78.8456, 83.5026, 68.4619



74.7116, 83.5026, 71.8650

Triad

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



78.8456, 83.5026, 68.4619



72.3997, 83.5026, 105.2111



87.3223, 83.5026, 102.3814

Complementary

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



78.8456, 83.5026, 68.4619



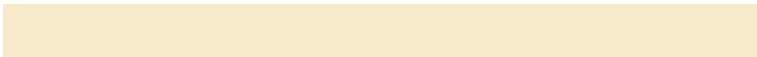
65.7173, 68.0113, 97.6601

Split Complementary

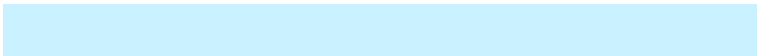
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2113, 83.5026, 113.0770



78.8456, 83.5026, 68.4619



75.5838, 83.5026, 114.8156

Square

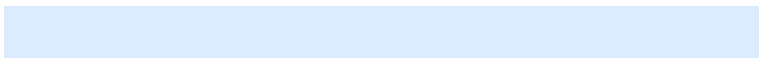
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8456, 83.5026, 68.4619



71.0793, 83.5026, 92.4241



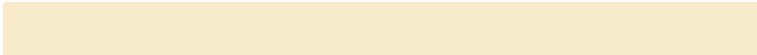
79.8901, 83.5026, 117.8201



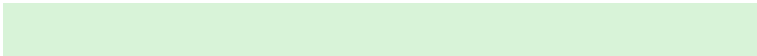
88.2745, 83.5026, 89.4326

Rectangle

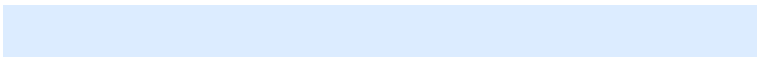
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8456, 83.5026, 68.4619



72.6468, 83.5026, 77.0208



79.8901, 83.5026, 117.8201



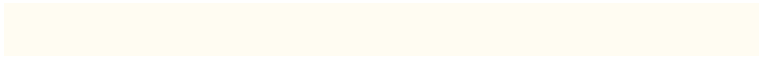
86.4887, 83.5026, 106.3985

Sweetspot

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



78.8478, 83.5063, 68.4637



91.9658, 97.0082, 98.0787



72.0404, 67.4174, 73.8218



19.5943, 20.6753, 20.6796



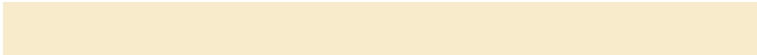
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

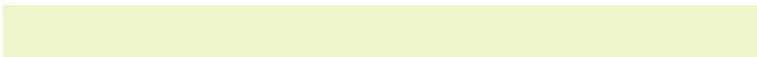
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8478, 83.5063, 68.4637



83.1141, 88.0551, 68.1520



79.1221, 88.9190, 69.4940



17.5103, 18.5048, 17.4465



29.0065, 27.8985, 3.8561



2.6346, 2.6224, 0.3673

Inverse Universe

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



65.7173, 68.0113, 97.6601



66.8268, 68.8365, 104.3724



65.4509, 63.5049, 96.8044



15.9487, 16.6618, 20.9180



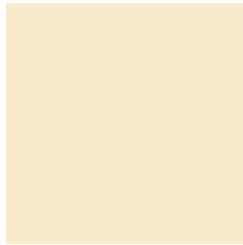
10.0517, 5.8972, 47.1465



0.9655, 0.6824, 4.1711

Previews

White Background



This preview shows how the XYZ color 78.8456, 83.5026, 68.4619 looks on a white background.

Color Contrast Check

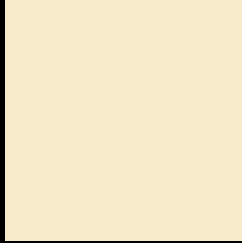
Large Text (above 18pt) WCAG AA × Fail

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 78.8456, 83.5026, 68.4619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

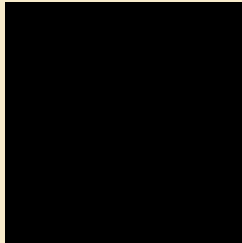
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.8456, 83.5026, 68.4619

Background



This preview shows how black text looks on a background with the XYZ color 78.8456, 83.5026, 68.4619.

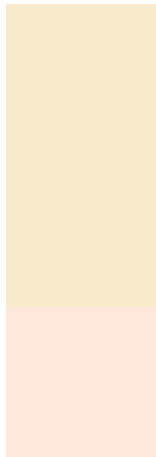


This preview shows how white text looks on a background with the XYZ color 78.8456, 83.5026,

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

78.8456, 83.5026, 68.4619

Protanopia

78.8456, 83.5026, 68.4619

Deuteranopia

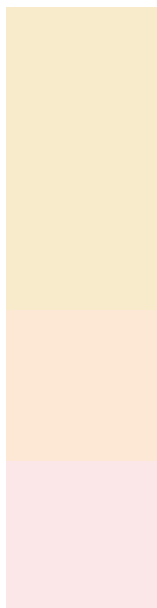
82.6021, 83.5263, 78.7864



Tritanopia

85.3158, 83.6367, 99.6426

Trichromacy



Original Color

78.8456, 83.5026, 68.4619

Protanomaly

78.8456, 83.5026, 68.4619

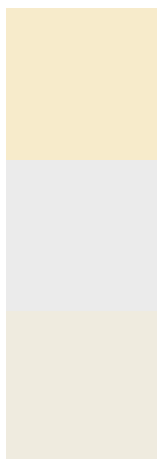
Deuteranomaly

81.0117, 83.2128, 74.7427

Tritanomaly

82.7834, 83.4306, 87.3419

Monochromacy



Original Color

78.8456, 83.5026, 68.4619

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6242, 83.0951, 81.7071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8456, 83.5026, 68.4619 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, 235, 203)` looks like.

```
.text, #text, p{  
    color:rgb(247, 235, 203)  
}
```

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, 235, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 235, 203) }
```

Border

The CSS property to change the border of an element to XYZ 78.8456, 83.5026, 68.4619 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, 235, 203) }
```


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

```
.border{ border-color:rgb(247, 235, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 235, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 235, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 235, 203);  
box-shadow:4px 4px 4px 4px rgb(247, 235,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8456, 83.5026, 68.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 235, 203) }
```

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

```
.background{ background-color: rgb(247,  
235, 203) }
```

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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