

Converting Colors

XYZ(78.7316, 83.5139, 60.7468)

Have a look what the booklet for
XYZ(78.7316, 83.5139, 60.7468)
contains.

XYZ(78.7863, 83.6436, 60.7075)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.7863, 83.6436,
60.7075)**

Conversions

Conversions Part 1

Format	Color
Hex	FBEBBE
RGB	251, 235, 190
RGB Percent	98%, 92%, 75%
CMY	0.0157, 0.0784, 0.2549
CMYK	0.00, 0.06, 0.24, 0.02
HSL	44°, 88%, 86%
HSV	44°, 24%, 98%
XYZ	78.7863, 83.6436, 60.7075
YIQ	234.6540, 23.9810, -10.6030

Conversions

Conversions Part 2

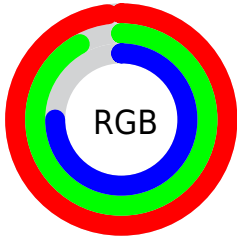
Format	Color
RYB	212, 251, 190
Decimal	16509886
CIELab	93.30, -1.42, 23.83
CIELCh	93, 23.872, 93.399
Yxy	83.6436, 0.3531, 0.3749
Android (android.graphics.Color)	4294699966 (0xFFFFBEBBE)
YUV	234.6540, -22.0144, 14.3354
Hunter-Lab	91.4569, -6.2792, 24.6641

Details

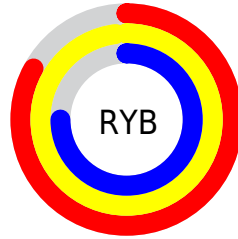
The XYZ color **78.7863, 83.6436, 60.7075** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.7188, 62.0533, 100.0446**, and the grayscale version is **78.8537, 82.9602, 90.3437**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **42.8122, 45.4871, 29.8160** is the 20% darker color. If you saturate the color by 10%, you get **74.4269, 78.9432, 46.8653**, and if you desaturate by 10%, it is **83.6923, 88.6800, 77.0646**.

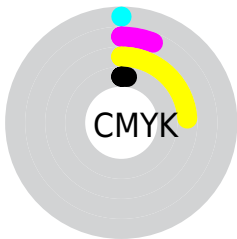
Distribution



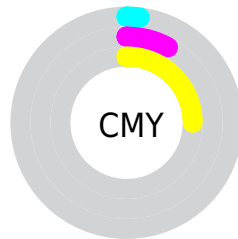
- Red (98%)
- Green (92%)
- Blue (75%)



- Red (83%)
- Yellow (98%)
- Blue (75%)



- Cyan (0%)
- Magenta (6%)
- Yellow (24%)
- Black (2%)





- Cyan (2%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7863, 83.6436, 60.7075 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 78.7863, 83.6436, 60.7075 by changing the saturation by 10% instead.


 78.7863, 83.6436,
60.7075

 78.7863, 83.6436,
60.7075


479.6322,
507.1290, 445.0775

 59.0251, 62.7212,
43.5601

 130.6175,
138.4765, 107.4087

 42.8798, 45.6157,
29.9902


163.4182,
173.1558, 137.7996

 29.9849, 31.9427,
19.5792

201.2962,
213.1896, 173.4421

 19.9752, 21.3177,
11.9085

244.6168,
258.9622, 214.7548

 12.4852, 13.3564,
6.5596

293.7453,
310.8581, 262.1561

 7.1495, 7.6745,
3.1140

349.0472,

 3.6030, 3.8874,

369.2616, 316.0646

1.1531

410.8876,
434.5571, 376.8989

■ 1.4801, 1.6108,
0.0000

■ 0.3122, 0.3648,
0.0000

■ 78.7863, 83.6436,
60.7075

■ 78.7863, 83.6436,
60.7075

■ 74.4269, 78.9432,
46.8653

■ 83.6923, 88.6800,
77.0646

■ 70.5826, 74.5563,
35.4051

■ 89.1615, 94.0515,
96.0500

■ 67.2284, 70.4746,
26.1895

■ 93.5144, 99.0903,
108.8054

■ 64.3346, 66.6850,
19.0649

■ 93.5939, 99.2493,
108.8319

■ 61.8674, 63.1728,
13.8585

■ 59.7881, 59.9210,
10.3693

■ 58.0491, 56.9096,
8.3514

■ 57.1718, 55.2852,
7.6578

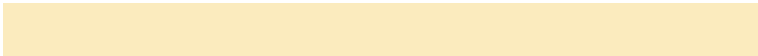
Harmonies

Analogous

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



85.0360, 83.6436, 63.4985



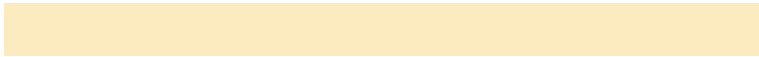
78.7863, 83.6436, 60.7075



73.0318, 83.6436, 65.1258

Triad

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



78.7863, 83.6436, 60.7075



69.8318, 83.6436, 111.4861



90.8040, 83.6436, 107.4678

Complementary

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



78.7863, 83.6436, 60.7075



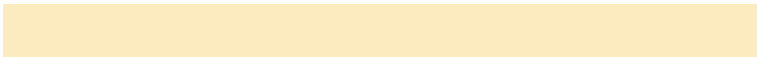
60.7188, 62.0533, 100.0446

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.



86.3408, 83.6436, 123.1337



78.7863, 83.6436, 60.7075



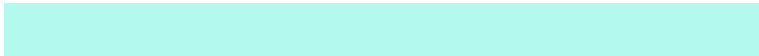
74.2110, 83.6436, 125.6601

Square

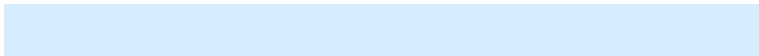
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7863, 83.6436, 60.7075



68.0364, 83.6436, 93.1414



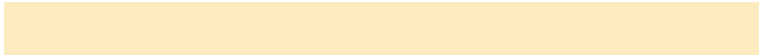
80.2195, 83.6436, 130.1785



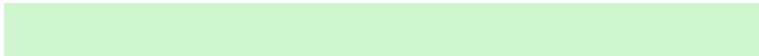
92.1856, 83.6436, 89.0368

Rectangle

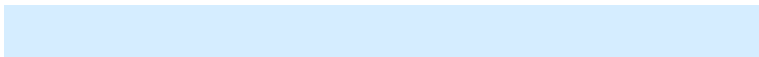
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7863, 83.6436, 60.7075



70.1877, 83.6436, 71.9561



80.2195, 83.6436, 130.1785



89.6032, 83.6436, 113.3087

Sweetspot

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



78.7885, 83.6474, 60.7093



90.8330, 95.9532, 93.9691



69.3710, 61.8064, 66.8371



19.3672, 20.4650, 19.8516



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.



78.7885, 83.6474, 60.7093



79.4688, 84.3646, 55.8385



78.6394, 90.6771, 62.0740



18.3197, 19.3753, 18.2366



30.1766, 29.3098, 4.0669



2.8810, 2.8869, 0.4054

Inverse Universe

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



60.7188, 62.0533, 100.0446



57.8742, 58.5626, 102.8612



60.7929, 56.6634, 99.0003



16.6531, 17.3830, 21.8628



10.2712, 5.8980, 48.5706



1.0337, 0.7111, 4.5259

Previews

White Background



This preview shows how the XYZ color 78.7863, 83.6436, 60.7075 looks on a white background.

Color Contrast Check

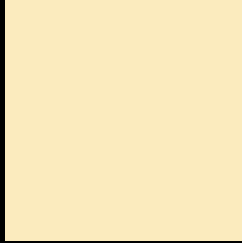
Large Text (above 18pt) WCAG AA × Fail

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 78.7863, 83.6436, 60.7075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

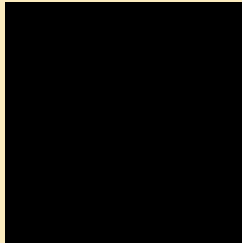
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.7863, 83.6436, 60.7075

Background



This preview shows how black text looks on a background with the XYZ color 78.7863, 83.6436, 60.7075.

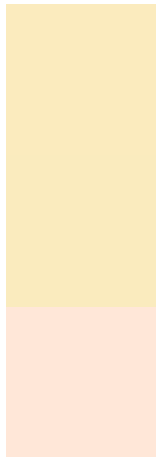


This preview shows how white text looks on a background with the XYZ color 78.7863, 83.6436,

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

78.7863, 83.6436, 60.7075

Protanopia

78.4269, 83.4584, 60.6907

Deuteranopia

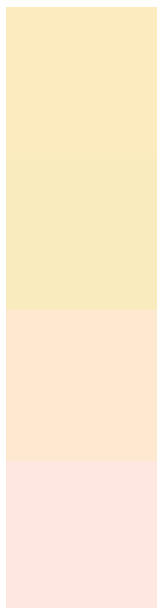
82.2106, 83.3697, 76.7247



Tritanopia

85.5884, 83.8303, 97.2578

Trichromacy



Original Color

78.7863, 83.6436, 60.7075

Protanomaly

78.4269, 83.4584, 60.6907

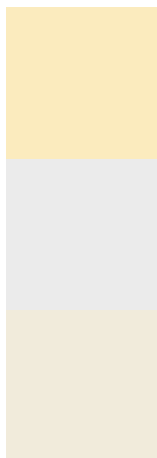
Deuteranomaly

80.9921, 83.2891, 70.8391

Tritanomaly

82.9035, 83.6045, 82.2888

Monochromacy



Original Color

78.7863, 83.6436, 60.7075

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.7701, 83.2319, 78.9316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7863, 83.6436, 60.7075 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(251, 235, 190)` looks like.

```
.text, #text, p{  
    color:rgb(251, 235, 190)  
}
```

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(251, 235, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 235, 190) }
```

Border

The CSS property to change the border of an element to XYZ 78.7863, 83.6436, 60.7075 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(251, 235, 190) }
```


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

```
.border{ border-color:rgb(251, 235, 190) }
```

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

Here you see how a box with a 4 pixel rgb(251, 235, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 235, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 235, 190);  
box-shadow:4px 4px 4px 4px rgb(251, 235,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7863, 83.6436, 60.7075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 235, 190) }
```

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

```
.background{ background-color: rgb(251,  
235, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor