

Converting Colors

XYZ(78.0215, 88.8290, 46.7761)

Have a look what the booklet for
XYZ(78.0215, 88.8290, 46.7761)
contains.

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Color

**XYZ(78.0516, 88.8689,
46.7579)**

Conversions

Conversions Part 1

Format	Color
Hex	F7F7A1
RGB	247, 247, 161
RGB Percent	97%, 97%, 63%
CMY	0.0314, 0.0313, 0.3686
CMYK	0.00, 0.00, 0.35, 0.03
HSL	60°, 84%, 80%
HSV	60°, 35%, 97%
XYZ	78.0516, 88.8689, 46.7579
YIQ	237.1960, 27.6060, -26.7460

Conversions

Conversions Part 2

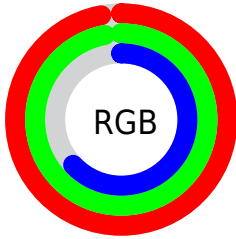
Format	Color
RYB	161, 247, 161
Decimal	16250785
CIELab	95.53, -12.49, 41.40
CIELCh	96, 43.239, 106.793
Yxy	88.8689, 0.3653, 0.4159
Android (android.graphics.Color)	4294440865 (0xFFFF7F7A1)
YUV	237.1960, -37.5646, 8.5981
Hunter-Lab	94.2703, -17.1830, 36.5815

Details

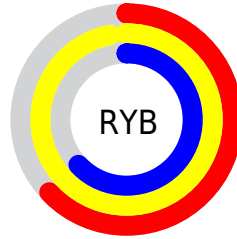
The XYZ color **78.0516, 88.8689, 46.7579** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.2345, 39.7845, 93.3486**, and the grayscale version is **80.9147, 85.1286, 92.7050**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **42.3238, 49.1631, 21.4461** is the 20% darker color. If you saturate the color by 10%, you get **76.0854, 88.0855, 36.3973**, and if you desaturate by 10%, it is **80.4526, 89.8325, 59.3883**.

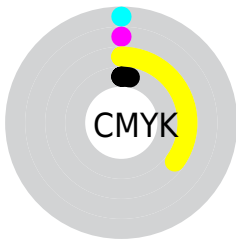
Distribution



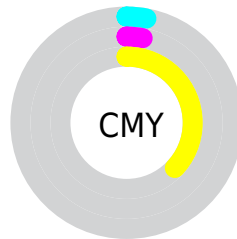
- Red (97%)
- Green (97%)
- Blue (63%)



- Red (63%)
- Yellow (97%)
- Blue (63%)



- Cyan (0%)
- Magenta (0%)
- Yellow (35%)
- Black (3%)





- Cyan (3%)
- Magenta (3%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.0516, 88.8689, 46.7579 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 78.0516, 88.8689, 46.7579 by changing the saturation by 10% instead.


 78.0516, 88.8689,
46.7579


 78.0516, 88.8689,
46.7579


477.1792,
524.3445, 390.2131

 58.4193, 67.0429,
32.4913


 129.5878,
145.7662, 86.6983

 42.3904, 49.1195,
21.4691


 162.2225,
181.6064, 113.2093

 29.5995, 34.7143,
13.2728

199.9220,
222.8867, 144.6387

 19.6814, 23.4429,
7.4837

243.0516,
269.9915, 181.4053

 12.2706, 14.9209,
3.6834

291.9768,
323.3054, 223.9275

 7.0017, 8.7639,
1.4533

347.0629,

 3.5095, 4.5875,

383.2125, 272.6238

0.1828

408.6752,
450.0975, 327.9128

■ 1.4286, 2.0073,
0.0000

■ 0.2765, 0.6117,
0.0000

■ 78.0516, 88.8689,
46.7579

■ 78.0516, 88.8689,
46.7579

■ 76.0854, 88.0855,
36.3973

■ 80.4526, 89.8325,
59.3883

■ 74.5218, 87.4600,
28.1669


■ 83.3051, 90.9736,
74.4060

■ 73.3349, 86.9852,
21.9202


■ 86.6329, 92.3048,
91.9271

■ 72.4931, 86.6483,
17.4903


■ 89.6731, 93.5209,
107.9328


 71.9593, 86.4347,
14.6826


 89.6737, 93.5212,
107.9328


 71.6882, 86.3262,
13.2583

 89.6743, 93.5216,
107.9329

 71.6165, 86.2975,
12.8825

 89.6749, 93.5219,
107.9329

 89.6756, 93.5222,
107.9329

 89.6762, 93.5225,
107.9330

Harmonies

Analogous

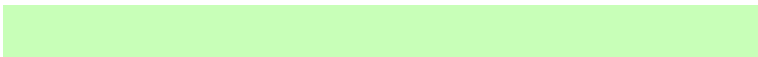
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7824, 88.8689, 46.1098



78.0516, 88.8689, 46.7579



68.9192, 88.8689, 58.5994

Triad

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



78.0516, 88.8689, 46.7579



69.8037, 88.8689, 152.5674



108.6572, 88.8689, 112.4561

Complementary

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



78.0516, 88.8689, 46.7579



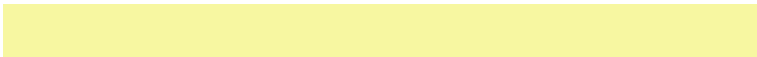
44.2345, 39.7845, 93.3486

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.



102.1937, 88.8689, 148.6875



78.0516, 88.8689, 46.7579



79.3661, 88.8689, 175.2417

Square

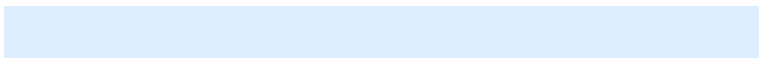
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0516, 88.8689, 46.7579



64.4715, 88.8689, 116.8747



91.2251, 88.8689, 173.6754



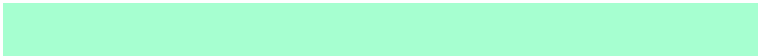
108.2211, 88.8689, 79.1021

Rectangle

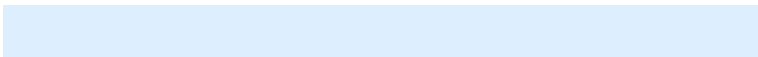
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0516, 88.8689, 46.7579



65.2026, 88.8689, 73.2525



91.2251, 88.8689, 173.6754



107.1955, 88.8689, 124.8323

Sweetspot

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



78.0538, 88.8729, 46.7598



91.2121, 98.4648, 88.6935



57.5386, 47.8393, 39.9207



19.4168, 21.0330, 18.4241



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

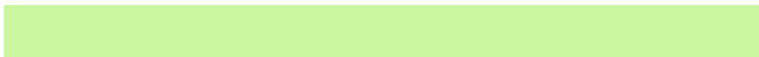
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0538, 88.8729, 46.7598



82.3345, 94.9135, 41.9561



64.5991, 81.9367, 46.1301



17.9146, 19.3136, 17.5813



37.8734, 45.6373, 6.8127



3.3287, 4.0111, 0.5988

Inverse Universe

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



44.2345, 39.7845, 93.3486



40.8203, 34.6557, 99.1455



54.4379, 45.0445, 93.8261



15.5813, 15.9268, 20.7955



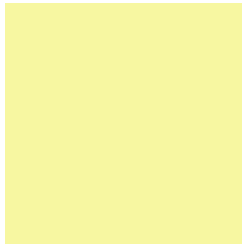
8.8791, 3.5516, 46.7556



0.7804, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 78.0516, 88.8689, 46.7579 looks on a white background.

Color Contrast Check

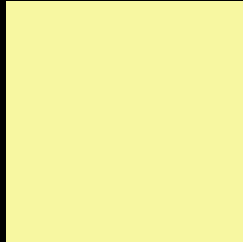
Large Text (above 18pt) WCAG AA × Fail

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 78.0516, 88.8689, 46.7579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

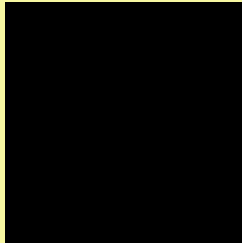
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

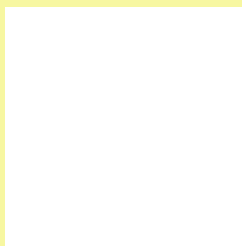
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0516, 88.8689, 46.7579

Background



This preview shows how black text looks on a background with the XYZ color 78.0516, 88.8689, 46.7579.

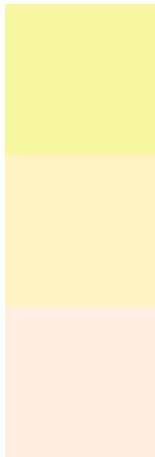


This preview shows how white text looks on a background with the XYZ color 78.0516, 88.8689,

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

78.0516, 88.8689, 46.7579

Protanopia

82.9559, 88.7498, 64.9827

Deuteranopia

85.6971, 88.4292, 83.7860



Tritanopia

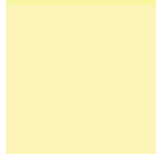
89.0949, 88.8566, 104.5507

Trichromacy



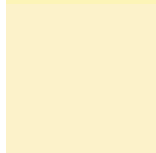
Original Color

78.0516, 88.8689, 46.7579



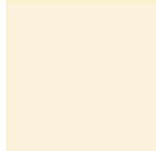
Protanomaly

81.0428, 88.8157, 57.6715



Deuteranomaly

82.5577, 88.4640, 68.6011



Tritanomaly

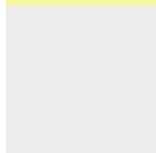
84.3864, 88.7205, 79.6950

Monochromacy



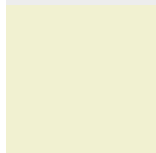
Original Color

78.0516, 88.8689, 46.7579



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

79.2395, 86.2148, 72.7864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0516, 88.8689, 46.7579 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, 247, 161)` looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 161)  
}
```

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, 247, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 161) }
```

Border

The CSS property to change the border of an element to XYZ 78.0516, 88.8689, 46.7579 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, 247, 161) }
```


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

```
.border{ border-color:rgb(247, 247, 161) }
```

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

Here you see how a box with a 4 pixel rgb(247, 247, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 161);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0516, 88.8689, 46.7579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 161) }
```

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

```
.background{ background-color: rgb(247,  
247, 161) }
```

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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