

Converting Colors

XYZ(78.1209, 87.9790, 44.7632)

Have a look what the booklet for
XYZ(78.1209, 87.9790, 44.7632)
contains.

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Color

**XYZ(78.1626, 88.0631,
44.7766)**

Conversions

Conversions Part 1

Format	Color
Hex	FAF59D
RGB	250, 245, 157
RGB Percent	98%, 96%, 62%
CMY	0.0196, 0.0392, 0.3843
CMYK	0.00, 0.02, 0.37, 0.02
HSL	57°, 90%, 80%
HSV	57°, 37%, 98%
XYZ	78.1626, 88.0631, 44.7766
YIQ	236.4630, 31.2280, -26.3080

Conversions

Conversions Part 2

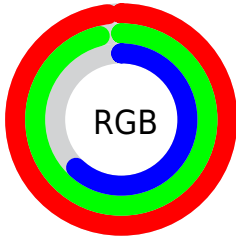
Format	Color
RYB	162, 250, 157
Decimal	16446877
CIELab	95.19, -10.81, 42.97
CIELCh	95, 44.314, 104.124
Yxy	88.0631, 0.3704, 0.4174
Android (android.graphics.Color)	4294636957 (0xFFFAF59D)
YUV	236.4630, -39.1753, 11.8719
Hunter-Lab	93.8419, -15.5476, 37.3992

Details

The XYZ color **78.1626, 88.0631, 44.7766** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.0802, 39.9100, 95.8228**, and the grayscale version is **80.3600, 84.5450, 92.0695**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **42.4345, 48.6011, 20.2411** is the 20% darker color. If you saturate the color by 10%, you get **75.8391, 86.4893, 34.5277**, and if you desaturate by 10%, it is **80.9302, 89.8255, 57.3300**.

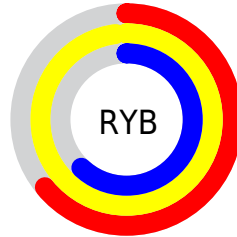
Distribution



Red (98%)

Green (96%)

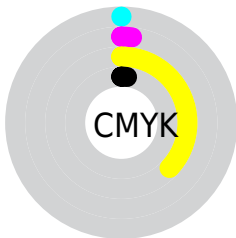
Blue (62%)



Red (64%)

Yellow (98%)

Blue (62%)

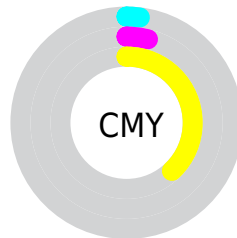


Cyan (0%)

Magenta (2%)

Yellow (37%)

Black (2%)



Cyan (2%)


Magenta (4%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.1626, 88.0631, 44.7766 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 78.1626, 88.0631, 44.7766 by changing the saturation by 10% instead.


 78.1626, 88.0631,
44.7766


 78.1626, 88.0631,
44.7766


477.5502,
521.7099, 382.0017

 58.5108, 66.3753,
30.9398


 129.7435,
144.6450, 83.7000

 42.4643, 48.5771,
20.2950


 162.4032,
180.3079, 109.6236

 29.6577, 34.2842,
12.4234


200.1297,
221.3980, 140.4134

 19.7257, 23.1120,
6.9067

243.2883,
268.2997, 176.4877

 12.3029, 14.6762,
3.3263

292.2443,
321.3973, 218.2652

 7.0240, 8.5925,
1.2635

347.3630,

 3.5236, 4.4763,

381.0753, 266.1643

0.0316

409.0099,
447.7180, 320.6036

■ 1.4363, 1.9434,
0.0000

■ 0.2819, 0.5743,
0.0000

■ 78.1626, 88.0631,
44.7766

■ 78.1626, 88.0631,
44.7766

■ 75.8391, 86.4893,
34.5277

■ 80.9302, 89.8255,
57.3300

■ 73.9263, 85.0814,
26.4367


■ 84.1598, 91.7743,
72.3118


■ 72.3966, 83.8314,
20.3485


■ 87.8764, 93.9226,
89.8433


■ 71.2162, 82.7258,
16.0854


■ 91.7771, 96.1493,
108.3292

 70.3454, 81.7488,
13.4382

 92.1965, 96.9883,
108.4691

 69.7329, 80.8797,
12.1371

 92.6190, 97.8332,
108.6099

 69.5858, 80.6469,
11.8988

 93.0445, 98.6841,
108.7517

 93.2344, 99.0640,
108.8150

Harmonies

Analogous

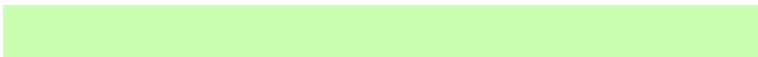
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2149, 88.0631, 45.0942



78.1626, 88.0631, 44.7766



68.5550, 88.0631, 55.6358

Triad

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



78.1626, 88.0631, 44.7766



68.1163, 88.0631, 150.0301



108.0787, 88.0631, 115.2505

Complementary

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



78.1626, 88.0631, 44.7766



44.0802, 39.9100, 95.8228

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.



100.9289, 88.0631, 151.9766



78.1626, 88.0631, 44.7766



77.5091, 88.0631, 175.1185

Square

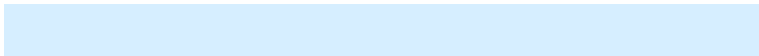
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1626, 88.0631, 44.7766



63.1438, 88.0631, 113.0441



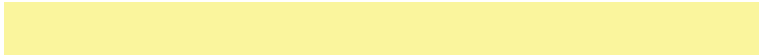
89.4957, 88.0631, 175.9061



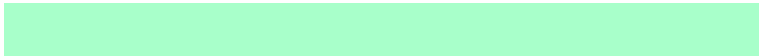
108.2968, 88.0631, 80.5579

Rectangle

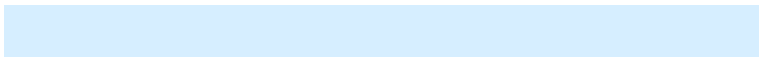
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1626, 88.0631, 44.7766



64.5009, 88.0631, 69.6948



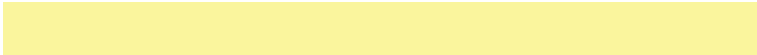
89.4957, 88.0631, 175.9061



106.3776, 88.0631, 127.9320

Sweetspot

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



78.1648, 88.0671, 44.7784



90.3796, 97.3660, 86.6669



58.1109, 47.0905, 40.7722



19.2313, 20.7747, 18.0136



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.



78.1648, 88.0671, 44.7784



79.8177, 90.8121, 38.2294



66.7651, 84.4636, 44.6837



18.6429, 20.0216, 18.3444



36.9454, 42.8474, 6.3231



3.4455, 4.0159, 0.5935

Inverse Universe

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



44.0802, 39.9100, 95.8228



39.2499, 33.5022, 99.0056



52.4178, 42.9281, 95.9659



16.3578, 16.7924, 21.7644



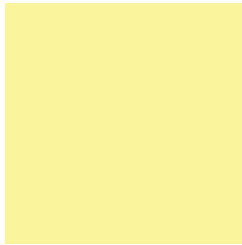
9.2628, 3.8811, 48.2345



0.8834, 0.4104, 4.4758

Previews

White Background



This preview shows how the XYZ color 78.1626, 88.0631, 44.7766 looks on a white background.

Color Contrast Check

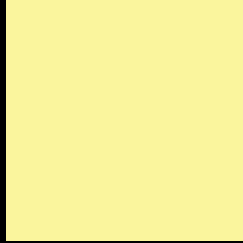
Large Text (above 18pt) WCAG AA × Fail

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 78.1626, 88.0631, 44.7766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

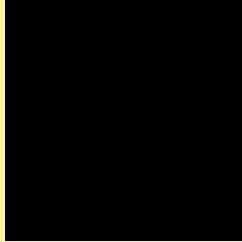
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1626, 88.0631, 44.7766

Background



This preview shows how black text looks on a background with the XYZ color 78.1626, 88.0631, 44.7766.

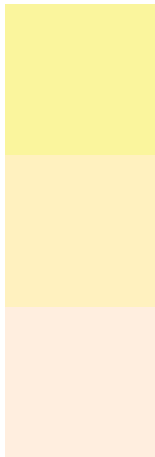


This preview shows how white text looks on a background with the XYZ color 78.1626, 88.0631,

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

78.1626, 88.0631, 44.7766

Protanopia

82.0993, 87.9322, 61.9357

Deuteranopia

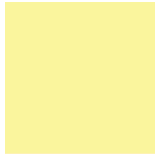
85.1338, 87.7368, 82.2599



Tritanopia

88.1787, 88.0282, 101.1506

Trichromacy



Original Color

78.1626, 88.0631, 44.7766



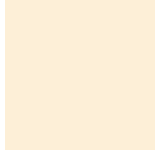
Protanomaly

80.3968, 87.6416, 55.3270



Deuteranomaly

82.2721, 87.9168, 66.6663



Tritanomaly

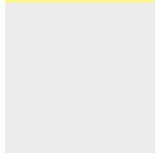
83.6403, 87.5219, 76.7751

Monochromacy



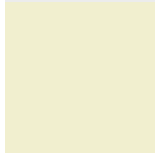
Original Color

78.1626, 88.0631, 44.7766



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.4046, 84.9388, 71.2939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1626, 88.0631, 44.7766 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(250, 245, 157)` looks like.

```
.text, #text, p{  
    color:rgb(250, 245, 157)  
}
```

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(250, 245, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 245, 157) }
```

Border

The CSS property to change the border of an element to XYZ 78.1626, 88.0631, 44.7766 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(250, 245, 157) }
```


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

```
.border{ border-color:rgb(250, 245, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 245, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 245, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 245, 157);  
box-shadow:4px 4px 4px 4px rgb(250, 245,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1626, 88.0631, 44.7766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 245, 157) }
```

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

```
.background{ background-color: rgb(250,  
245, 157) }
```

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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