

Converting Colors

XYZ(76.9930, 89.7130, 45.6188)

Have a look what the booklet for
XYZ(76.9930, 89.7130, 45.6188)
contains.

XYZ(76.9751, 89.7171, 45.6079)	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(76.9751, 89.7171,
45.6079)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FA9E
RGB	242, 250, 158
RGB Percent	95%, 98%, 62%
CMY	0.0510, 0.0196, 0.3804
CMYK	0.03, 0.00, 0.37, 0.02
HSL	65°, 90%, 80%
HSV	65°, 37%, 98%
XYZ	76.9751, 89.7171, 45.6079
YIQ	237.1200, 24.7640, -30.3080

Conversions

Conversions Part 2

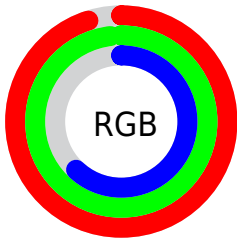
Format	Color
R_{YB}	158, 250, 166
Decimal	15923870
CIE Lab	95.88, -16.18, 43.25
CIE LCh	96, 46.179, 110.510
Yxy	89.7171, 0.3626, 0.4226
Android (android.graphics.Color)	4294113950 (0xFFFF2FA9E)
YUV	237.1200, -39.0062, 4.2798
Hunter-Lab	94.7191, -20.6974, 37.7548

Details

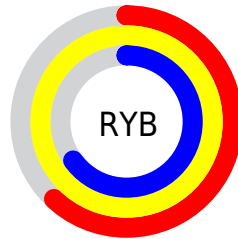
The XYZ color **76.9751, 89.7171, 45.6079** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.2115, 39.4652, 95.6824**, and the grayscale version is **80.8683, 85.0798, 92.6519**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **41.8492, 49.9178, 20.7940** is the 20% darker color. If you saturate the color by 10%, you get **74.2969, 88.5632, 35.3696**, and if you desaturate by 10%, it is **80.1044, 91.0588, 58.1558**.

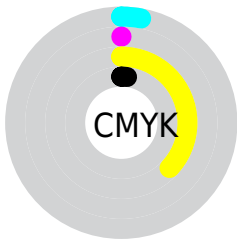
Distribution



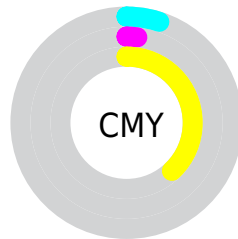
- Red (95%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (65%)



- Cyan (3%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)





- Cyan (5%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.9751, 89.7171, 45.6079 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 76.9751, 89.7171, 45.6079 by changing the saturation by 10% instead.


 76.9751, 89.7171,
45.6079


 76.9751, 89.7171,
45.6079


473.5724,
527.1102, 385.4617

 57.5323, 67.7460,
31.5901


 128.0774,
146.9454, 84.9600

 41.6746, 49.6911,
20.7864


 160.4675,
182.9714, 111.1313

 29.0365, 35.1681,
12.7782


197.9042,
224.4511, 142.1909

 19.2529, 23.7924,
7.1471

240.7527,
271.7690, 178.5573

 11.9582, 15.1797,
3.4744

289.3784,
325.3095, 220.6491

 6.7872, 8.9456,
1.3417

344.1467,

 3.3745, 4.7057,

385.4569, 268.8847

0.0956

405.4229,
452.5957, 323.6827

■ 1.3548, 2.0756,
0.0000

■ 0.2237, 0.6509,
0.0000

■ 76.9751, 89.7171,
45.6079

■ 76.9751, 89.7171,
45.6079

■ 74.2969, 88.5632,
35.3696

■ 80.1044, 91.0588,
58.1558

■ 72.0365, 87.5743,
27.2946

■ 83.7026, 92.5859,
73.1364

■ 70.1663, 86.7425,
21.2286

■ 87.7947, 94.3115,
90.6710

■ 68.6528, 86.0544,
16.9948

■ 91.9142, 96.0492,
108.3027

67.4564, 85.4942,
14.3855

92.7012, 96.4550,
108.3395

66.5273, 85.0419,
13.1381

93.4776, 96.8552,
108.3759

66.2619, 84.9101,
12.8969

Harmonies

Analogous

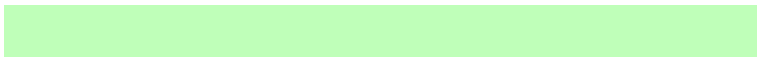
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3767, 89.7171, 43.5414



76.9751, 89.7171, 45.6079



67.7307, 89.7171, 59.5173

Triad

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



76.9751, 89.7171, 45.6079



70.6238, 89.7171, 162.4499



111.7896, 89.7171, 109.7172

Complementary

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



76.9751, 89.7171, 45.6079



45.2115, 39.4652, 95.6824

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.



105.6105, 89.7171, 149.4418



76.9751, 89.7171, 45.6079



81.2977, 89.7171, 184.5110

Square

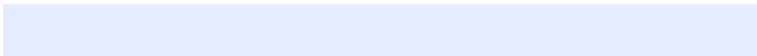
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9751, 89.7171, 45.6079



64.3251, 89.7171, 124.3874



94.1477, 89.7171, 179.2341



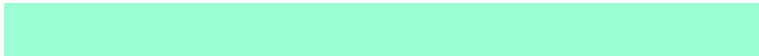
110.3375, 89.7171, 75.1096

Rectangle

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



76.9751, 89.7171, 45.6079



64.2017, 89.7171, 76.0982



94.1477, 89.7171, 179.2341



110.5146, 89.7171, 123.0146

Sweetspot

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



76.9773, 89.7211, 45.6098



89.9659, 97.8633, 86.7847



59.1747, 49.9464, 38.8708



19.1319, 20.8943, 18.0419



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

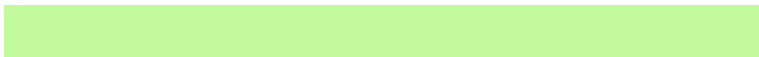
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9773, 89.7211, 45.6098



78.4414, 92.9521, 39.7145



63.2123, 82.6250, 44.9656



18.5697, 20.1094, 18.3652



35.2076, 45.0685, 6.8434



3.3033, 4.1960, 0.6358

Inverse Universe

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



45.2115, 39.4652, 95.6824



40.8972, 33.5349, 98.9251



56.5404, 45.3055, 96.2126



16.4230, 16.7152, 21.7461



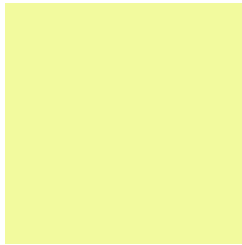
9.3737, 3.7750, 48.2082



0.9144, 0.3734, 4.4671

Previews

White Background



This preview shows how the XYZ color 76.9751, 89.7171, 45.6079 looks on a white background.

Color Contrast Check

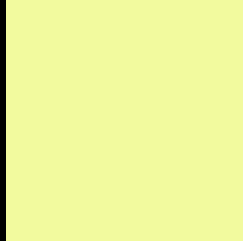
Large Text (above 18pt) WCAG AA × Fail

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 76.9751, 89.7171, 45.6079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

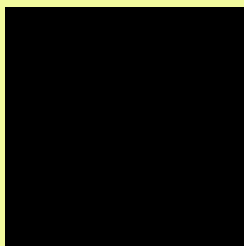
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

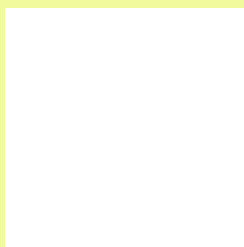
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9751, 89.7171, 45.6079

Background



This preview shows how black text looks on a background with the XYZ color 76.9751, 89.7171, 45.6079.



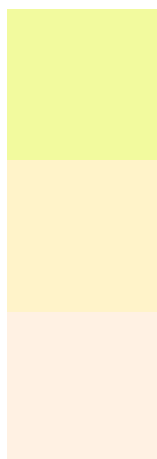
This preview shows how white text looks on a background with the XYZ color 76.9751, 89.7171,

45.6079.

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

76.9751, 89.7171, 45.6079

Protanopia

83.8332, 89.5782, 68.1302

Deuteranopia

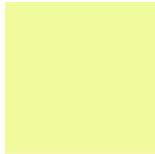
86.5604, 89.7166, 85.4279



Tritanopia

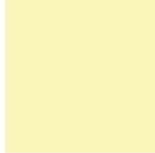
89.4245, 89.8357, 107.2346

Trichromacy



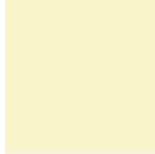
Original Color

76.9751, 89.7171, 45.6079



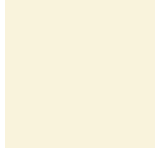
Protanomaly

81.1371, 89.7383, 58.9438



Deuteranomaly

82.4357, 89.2896, 68.7669



Tritanomaly

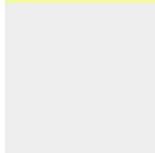
84.0358, 89.4082, 80.5385

Monochromacy



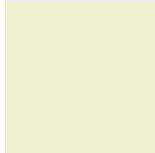
Original Color

76.9751, 89.7171, 45.6079



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.7339, 86.4091, 72.2034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9751, 89.7171, 45.6079 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(242, 250, 158)` looks like.

```
.text, #text, p{  
    color:rgb(242, 250, 158)  
}
```

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(242, 250, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 250, 158) }
```

Border

The CSS property to change the border of an element to XYZ 76.9751, 89.7171, 45.6079 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(242, 250, 158) }
```


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

```
.border{ border-color:rgb(242, 250, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 250, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 250, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 250, 158); box-shadow:4px 4px 4px 4px rgb(242, 250, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9751, 89.7171, 45.6079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 250, 158) }
```

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

```
.background{ background-color: rgb(242,  
250, 158) }
```

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