

Converting Colors

XYZ(76.8655, 89.5653, 50.2827)

Have a look what the booklet for
XYZ(76.8655, 89.5653, 50.2827)
contains.

XYZ(76.8501, 89.5491, 50.2801)	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(76.8501, 89.5491,
50.2801)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFAA8
RGB	239, 250, 168
RGB Percent	94%, 98%, 66%
CMY	0.0627, 0.0196, 0.3412
CMYK	0.04, 0.00, 0.33, 0.02
HSL	68°, 89%, 82%
HSV	68°, 33%, 98%
XYZ	76.8501, 89.5491, 50.2801
YIQ	237.3630, 19.7660, -27.8340

Conversions

Conversions Part 2

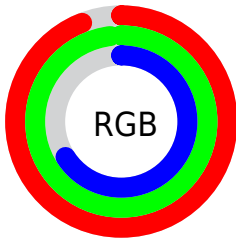
Format	Color
RYB	168, 250, 179
Decimal	15727272
CIELab	95.81, -16.13, 38.19
CIElCh	96, 41.454, 112.900
Yxy	89.5491, 0.3547, 0.4133
Android (android.graphics.Color)	4293917352 (0xFFEFAA8)
YUV	237.3630, -34.1960, 1.4356
Hunter-Lab	94.6304, -20.6419, 34.7386

Details

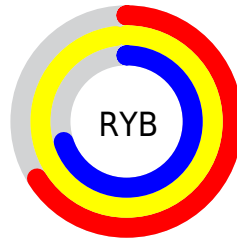
The XYZ color **76.8501, 89.5491, 50.2801** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.8518, 44.4935, 96.4082**, and the grayscale version is **81.0227, 85.2422, 92.8288**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **41.6777, 49.7665, 23.6289** is the 20% darker color. If you saturate the color by 10%, you get **73.6199, 88.1304, 39.1181**, and if you desaturate by 10%, it is **80.5537, 91.1657, 63.8051**.

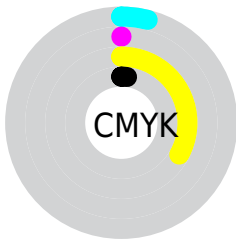
Distribution



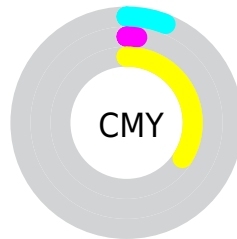
- Red (94%)
- Green (98%)
- Blue (66%)



- Red (66%)
- Yellow (98%)
- Blue (70%)



- Cyan (4%)
- Magenta (0%)
- Yellow (33%)
- Black (2%)



- Cyan (6%)
- Magenta (2%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8501, 89.5491, 50.2801 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 76.8501, 89.5491, 50.2801 by changing the saturation by 10% instead.

76.8501, 89.5491,
50.2801

76.8501, 89.5491,
50.2801

473.1526,
526.5630, 404.5267

57.4293, 67.6067,
35.2633

127.9018,
146.7119, 91.9903

41.5915, 49.5779,
23.5806

160.2635,
182.7012, 119.5208

28.9713, 35.0781,
14.8135

197.6696,
224.1415, 152.0596

19.2033, 23.7230,
8.5434

240.4853,
271.4172, 190.0252

11.9221, 15.1283,
4.3519

289.0761,
324.9129, 233.8361

6.7625, 8.9095,
1.8203

343.8074,

3.3590, 4.6822,

385.0128, 283.9110

0.4413

405.0444,
452.1014, 340.6684

■ 1.3463, 2.0620,
0.0000

■ 0.2175, 0.6431,
0.0000

■ 76.8501, 89.5491,
50.2801

■ 76.8501, 89.5491,
50.2801

■ 73.6199, 88.1304,
39.1181

■ 80.5537, 91.1657,
63.8051

■ 70.8304, 86.8874,
30.1778

■ 84.7477, 92.9779,
79.8122

■ 68.4554, 85.8126,
23.3116

■ 89.4565, 94.9984,
98.4192

■ 66.4629, 84.8931,
18.3519

■ 92.5354, 96.3694,
108.3318

■ 64.8162, 84.1144,
15.1050

■ 93.4775, 96.8551,
108.3758

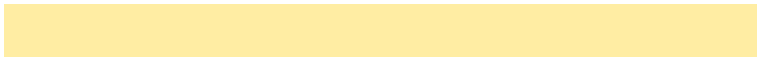
■ 63.4703, 83.4583,
13.3360

■ 62.6402, 83.0430,
12.7274

Harmonies

Analogous

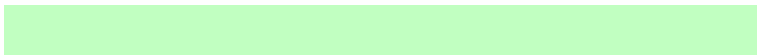
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8574, 89.5491, 47.4568



76.8501, 89.5491, 50.2801



68.7704, 89.5491, 64.2700

Triad

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



76.8501, 89.5491, 50.2801



72.5408, 89.5491, 156.7696



108.8220, 89.5491, 105.4869

Complementary

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



76.8501, 89.5491, 50.2801



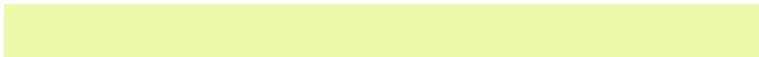
49.8518, 44.4935, 96.4082

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.



103.8607, 89.5491, 140.5809



76.8501, 89.5491, 50.2801



82.4278, 89.5491, 174.1900

Square

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



76.8501, 89.5491, 50.2801



66.4422, 89.5491, 124.0855



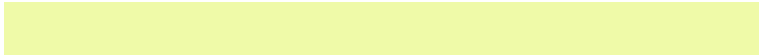
93.9495, 89.5491, 167.6838



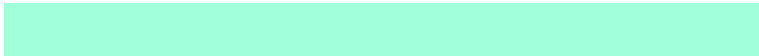
106.9916, 89.5491, 75.0182

Rectangle

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



76.8501, 89.5491, 50.2801



65.7998, 89.5491, 80.1531



93.9495, 89.5491, 167.6838



107.8794, 89.5491, 117.1934

Sweetspot

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



76.8524, 89.5531, 50.2820



89.9648, 97.8218, 88.6351



62.6021, 55.3671, 44.4345



19.1127, 20.8762, 18.4098



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

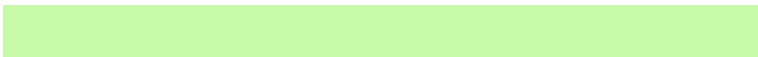
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8524, 89.5531, 50.2820



78.2215, 92.7209, 45.0273



64.5630, 83.2177, 49.7069



18.4848, 20.0657, 18.3612



33.3140, 44.0923, 6.7548



3.1469, 4.1154, 0.6285

Inverse Universe

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



49.8518, 44.4935, 96.4082



46.2033, 39.2699, 99.7524



60.7559, 50.1148, 96.9185



16.4996, 16.7547, 21.7496



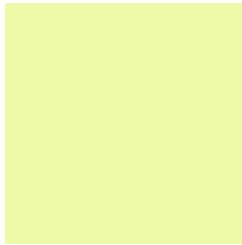
9.5618, 3.8719, 48.2170



0.9505, 0.3921, 4.4688

Previews

White Background



This preview shows how the XYZ color 76.8501, 89.5491, 50.2801 looks on a white background.

Color Contrast Check

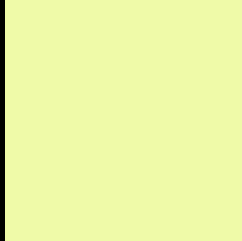
Large Text (above 18pt) WCAG AA × Fail

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 76.8501, 89.5491, 50.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

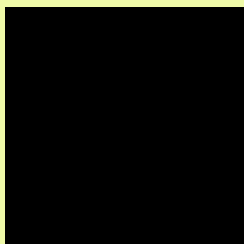
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

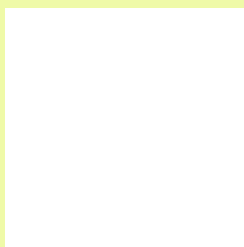
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8501, 89.5491, 50.2801

Background



This preview shows how black text looks on a background with the XYZ color 76.8501, 89.5491, 50.2801.

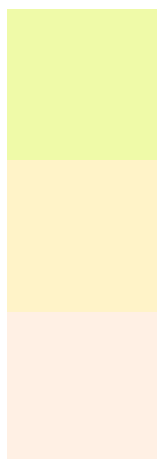


This preview shows how white text looks on a background with the XYZ color 76.8501, 89.5491,

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

76.8501, 89.5491, 50.2801

Protanopia

83.7159, 89.5313, 67.5126

Deuteranopia

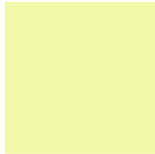
86.4037, 89.1816, 86.0586



Tritanopia

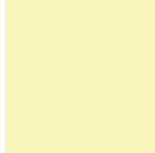
87.9834, 89.0927, 107.1671

Trichromacy



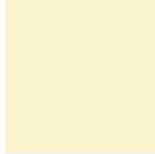
Original Color

76.8501, 89.5491, 50.2801



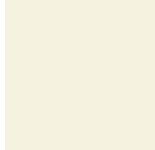
Protanomaly

81.0998, 89.6821, 60.6129



Deuteranomaly

82.5582, 89.2973, 71.2773



Tritanomaly

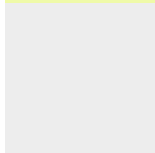
83.0261, 88.8414, 82.5842

Monochromacy



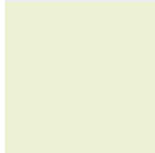
Original Color

76.8501, 89.5491, 50.2801



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.8957, 86.4349, 74.8127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8501, 89.5491, 50.2801 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(239, 250, 168)` looks like.

```
.text, #text, p{  
    color:rgb(239, 250, 168)  
}
```

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(239, 250, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 250, 168) }
```

Border

The CSS property to change the border of an element to XYZ 76.8501, 89.5491, 50.2801 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(239, 250, 168) }
```


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

```
.border{ border-color:rgb(239, 250, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 250, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 250, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 250, 168);  
box-shadow:4px 4px 4px 4px rgb(239, 250,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8501, 89.5491, 50.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 250, 168) }
```

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

```
.background{ background-color: rgb(239,  
250, 168) }
```

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