

Converting Colors

XYZ(89.6206, 100.0000,
38.1332)

Have a look what the booklet for
XYZ(89.6206, 100.0000, 38.1332)
contains.

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Color

**XYZ(81.5154, 94.5861,
37.6275)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF89
RGB	255, 255, 137
RGB Percent	100%, 100%, 54%
CMY	0.0000, 0.0000, 0.4627
CMYK	0.00, 0.00, 0.46, 0.00
HSL	60°, 100%, 77%
HSV	60°, 46%, 100%
XYZ	81.5154, 94.5861, 37.6275
YIQ	241.5480, 37.8780, -36.6980

Conversions

Conversions Part 2

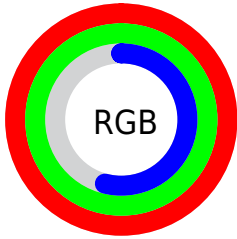
Format	Color
R_{YB}	137, 255, 137
Decimal	16777097
CIE Lab	97.87, -15.76, 55.97
CIE LCh	98, 58.151, 105.726
Yxy	94.5861, 0.3814, 0.4426
Android (android.graphics.Color)	4294967177 (0xFFFFFFFF89)
YUV	241.5480, -51.5422, 11.7974
Hunter-Lab	97.2554, -20.5857, 45.1398

Details

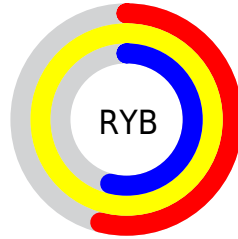
The XYZ color **81.5154, 94.5861, 37.6275** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.3132, 30.4309, 98.5149**, and the grayscale version is **84.4132, 88.8092, 96.7133**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **44.5204, 52.7485, 16.0186** is the 20% darker color. If you saturate the color by 10%, you get **79.8970, 93.9388, 29.1056**, and if you desaturate by 10%, it is **83.5664, 95.4066, 48.4283**.

Distribution



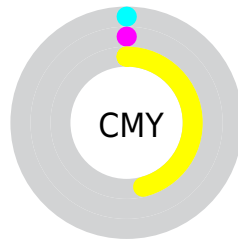
- Red (100%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.5154, 94.5861, 37.6275 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 81.5154, 94.5861, 37.6275 by changing the saturation by 10% instead.


 81.5154, 94.5861,
37.6275

 81.5154, 94.5861,
37.6275


488.6844,
542.8391, 351.2695


 61.2789, 71.7905,
25.3941


 134.4336,
153.6927, 72.7339

 44.7037, 52.9876,
16.1492


 167.8460,
190.7724, 96.4440

 31.4244, 37.7929,
9.4743


 206.3811,
233.3824, 124.8168

 21.0756, 25.8220,
4.9508

250.4043,
281.9070, 158.2708

 13.2921, 16.6905,
2.1602

300.2808,
336.7306, 197.2245

 7.7084, 10.0141,
0.6513

356.3761,

 3.9591, 5.4083,

398.2375, 242.0965

0.0000

419.0555,
466.8122, 293.3053

■ 1.6790, 2.4888,
0.0000

■ 0.4431, 0.8710,
0.0000

■ 81.5154, 94.5861,
37.6275

■ 81.5154, 94.5861,
37.6275

■ 79.8970, 93.9388,
29.1056

■ 83.5664, 95.4066,
48.4283

■ 78.6798, 93.4519,
22.6959

■ 86.0774, 96.4110,
61.6512

■ 77.8290, 93.1116,
18.2154

■ 89.0742, 97.6097,
77.4320

■ 77.3034, 92.9014,
15.4478

■ 92.5805, 99.0122,
95.8956

■ 77.0520, 92.8008, 95.0500, 100.0000,
14.1242 108.9000

■ 77.0000, 92.7800,
13.8500

Harmonies

Analogous

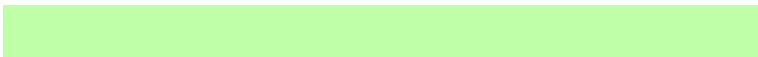
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.0120, 94.5861, 37.3214



81.5154, 94.5861, 37.6275



68.9076, 94.5861, 51.4024

Triad

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



81.5154, 94.5861, 37.6275



69.3886, 94.5861, 183.3931



124.5609, 94.5861, 127.2392

Complementary

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



81.5154, 94.5861, 37.6275



37.3132, 30.4309, 98.5149

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.



114.7768, 94.5861, 180.9931



81.5154, 94.5861, 37.6275



82.2508, 94.5861, 219.5722

Square

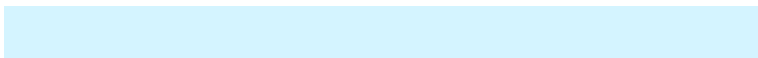
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5154, 94.5861, 37.6275



62.5176, 94.5861, 129.8373



98.8434, 94.5861, 218.5789



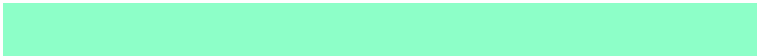
124.3004, 94.5861, 80.1218

Rectangle

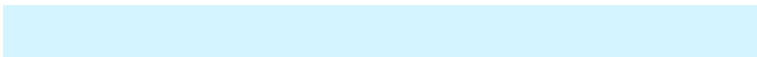
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5154, 94.5861, 37.6275



63.8048, 94.5861, 69.7621



98.8434, 94.5861, 218.5789



122.2898, 94.5861, 145.3761

Sweetspot

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



81.5156, 94.5862, 37.6288



89.8257, 97.9103, 81.3893



54.7017, 40.9585, 28.6908



19.0736, 20.8957, 16.6160



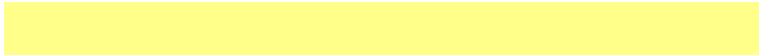
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

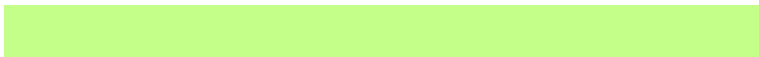
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5156, 94.5862, 37.6288



79.9358, 93.9543, 29.3096



63.0410, 85.0622, 36.7642



19.5613, 21.0908, 19.1843



40.2342, 48.4795, 7.2369



3.9175, 4.7203, 0.7046

Inverse Universe

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



37.3132, 30.4309, 98.5149



30.5738, 22.3104, 97.3027



49.7615, 36.8482, 99.0974



17.0031, 17.3778, 22.7080



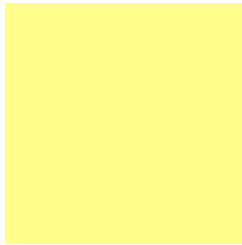
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 81.5154, 94.5861, 37.6275 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 81.5154, 94.5861, 37.6275 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 81.5154, 94.5861, 37.6275

Background



This preview shows how black text looks on a background with the XYZ color 81.5154, 94.5861, 37.6275.



This preview shows how white text looks on a background with the XYZ color 81.5154, 94.5861,

37.6275.

Color Blindness Simulation

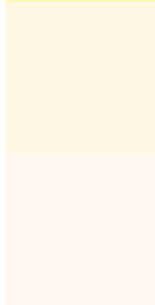
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

81.5154, 94.5861, 37.6275



Protanopia

89.1193, 94.6128, 86.9638

Deuteranopia

90.5356, 94.6861, 95.9426



Tritanopia

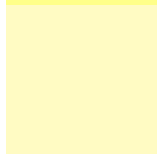
91.7665, 94.1998, 105.4412

Trichromacy



Original Color

81.5154, 94.5861, 37.6275



Protanomaly

85.5875, 94.1945, 65.3002



Deuteranomaly

86.5167, 94.5662, 70.1931



Tritanomaly

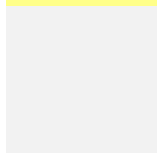
86.7485, 93.6645, 74.4797

Monochromacy



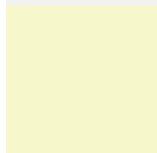
Original Color

81.5154, 94.5861, 37.6275



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.5176, 90.6553, 70.2758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5154, 94.5861, 37.6275 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(255, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 137)  
}
```

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(255, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 137) }
```

Border

The CSS property to change the border of an element to XYZ 81.5154, 94.5861, 37.6275 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(255, 255, 137) }
```


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

```
.border{ border-color:rgb(255, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5154, 94.5861, 37.6275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 137) }
```

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

```
.background{ background-color: rgb(255,  
255, 137) }
```

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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