

Converting Colors

XYZ(80.3642, 86.9321, 35.5104)

Have a look what the booklet for
XYZ(80.3642, 86.9321, 35.5104)
contains.

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Color

**XYZ(76.4797, 84.7423,
35.2477)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF87
RGB	255, 239, 135
RGB Percent	100%, 94%, 53%
CMY	0.0000, 0.0627, 0.4706
CMYK	0.00, 0.06, 0.47, 0.00
HSL	52°, 100%, 76%
HSV	52°, 47%, 100%
XYZ	76.4797, 84.7423, 35.2477
YIQ	231.9280, 42.9200, -28.9520

Conversions

Conversions Part 2

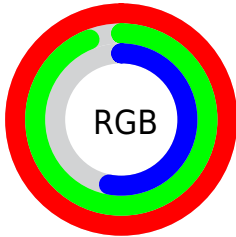
Format	Color
R_{YB}	153, 255, 135
Decimal	16772999
CIE _{Lab}	93.77, -8.10, 51.94
CIE _{LCh}	94, 52.563, 98.863
Yxy	84.7423, 0.3893, 0.4313
Android (android.graphics.Color)	4294963079 (0xFFFFEF87)
YUV	231.9280, -47.7855, 20.2341
Hunter-Lab	92.0556, -12.7996, 41.7370

Details

The XYZ color **76.4797, 84.7423, 35.2477** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.1081, 34.5031, 99.2060**, and the grayscale version is **76.9736, 80.9822, 88.1896**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **41.2214, 46.2119, 14.7298** is the 20% darker color. If you saturate the color by 10%, you get **73.9101, 82.1404, 26.5696**, and if you desaturate by 10%, it is **79.5021, 87.5615, 46.1997**.

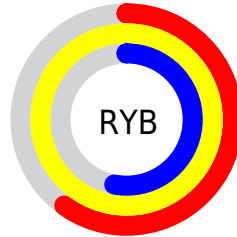
Distribution



Red (100%)

Green (94%)

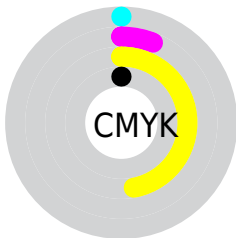
Blue (53%)



Red (60%)

Yellow (100%)

Blue (53%)

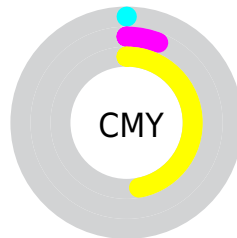


Cyan (0%)

Magenta (6%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4797, 84.7423, 35.2477 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 76.4797, 84.7423, 35.2477 by changing the saturation by 10% instead.


 76.4797, 84.7423,
35.2477

 76.4797, 84.7423,
35.2477


471.9074,
510.7750, 340.5977


 57.1244, 63.6285,
23.5687


 127.3815,
140.0131, 69.0252

 41.3456, 46.3498,
14.8047


 159.6587,
174.9388, 91.9608

 28.7781, 32.5220,
8.5374


 196.9739,
215.2373, 119.4857

 19.0565, 21.7605,
4.3480

239.6925,
261.2930, 152.0183

 11.8153, 13.6810,
1.8181

288.1797,
313.4901, 189.9773

 6.6894, 7.8991,
0.4399

342.8011,

 3.3132, 4.0305,

372.2133, 233.7812

0.0000

403.9219,
437.8468, 283.8485

■ 1.3215, 1.6906,
0.0000

■ 0.1992, 0.4176,
0.0000

■ 76.4797, 84.7423,
35.2477

■ 76.4797, 84.7423,
35.2477

■ 73.9101, 82.1404,
26.5696

■ 79.5021, 87.5615,
46.1997

■ 71.7559, 79.7313,
19.9959

■ 82.9993, 90.5976,
59.5686

■ 69.9835, 77.5046,
15.3418

■ 86.9993, 93.8650,
75.4915

■ 68.5513, 75.4434,
12.3881

■ 91.5259, 97.3735,
94.0941

■ 67.4059, 73.5262, 95.0499, 99.9999,
10.8548 108.9000

■ 67.0999, 72.9801,
10.5500

Harmonies

Analogous

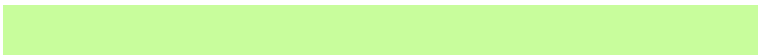
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6179, 84.7423, 37.5354



76.4797, 84.7423, 35.2477



64.8487, 84.7423, 44.4209

Triad

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



76.4797, 84.7423, 35.2477



61.3992, 84.7423, 149.4016



108.2664, 84.7423, 122.8615

Complementary

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



76.4797, 84.7423, 35.2477



39.1081, 34.5031, 99.2060

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.



98.5895, 84.7423, 166.0093



76.4797, 84.7423, 35.2477



71.2477, 84.7423, 184.1539

Square

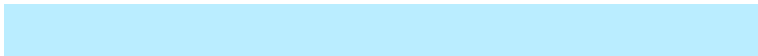
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4797, 84.7423, 35.2477



56.8268, 84.7423, 104.6283



84.7519, 84.7423, 190.9808



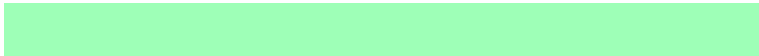
110.0858, 84.7423, 80.9252

Rectangle

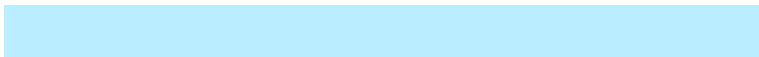
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4797, 84.7423, 35.2477



59.6843, 84.7423, 57.9528



84.7519, 84.7423, 190.9808



105.7752, 84.7423, 138.0050

Sweetspot

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



76.4817, 84.7462, 35.2494



88.3266, 94.9120, 80.8896



55.4904, 40.8232, 34.2343



18.7040, 20.1565, 16.4928



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

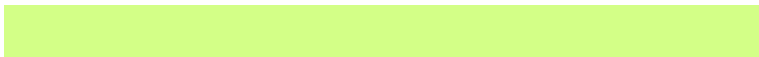
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4817, 84.7462, 35.2494



74.1620, 82.4067, 27.3850



66.9975, 87.1182, 36.2072



19.3426, 20.6534, 19.1114



35.1415, 38.2942, 5.5394



3.4764, 3.8381, 0.5576

Inverse Universe

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



39.1081, 34.5031, 99.2060



32.9051, 26.9729, 98.0798



45.3052, 34.1327, 98.8079



17.1982, 17.7679, 22.7731



9.7897, 4.4890, 49.7851



1.0105, 0.5518, 4.8665

Previews

White Background



This preview shows how the XYZ color 76.4797, 84.7423, 35.2477 looks on a white background.

Color Contrast Check

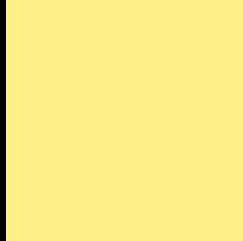
Large Text (above 18pt) WCAG AA × Fail

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 76.4797, 84.7423, 35.2477 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 76.4797, 84.7423, 35.2477

Background



This preview shows how black text looks on a background with the XYZ color 76.4797, 84.7423, 35.2477.

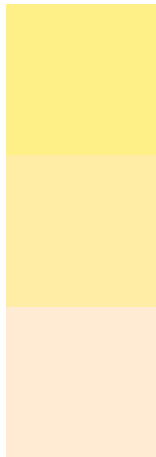


This preview shows how white text looks on a background with the XYZ color 76.4797, 84.7423,

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

76.4797, 84.7423, 35.2477

Protanopia

78.4071, 84.5815, 48.2698

Deuteranopia

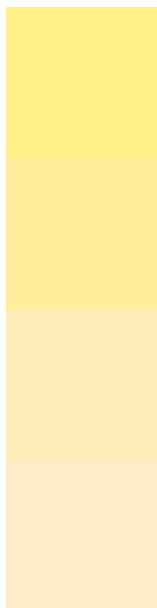
82.4207, 84.8088, 73.6537



Tritanopia

85.6931, 84.7627, 95.0634

Trichromacy



Original Color

76.4797, 84.7423, 35.2477

Protanomaly

77.7309, 84.7756, 43.2768

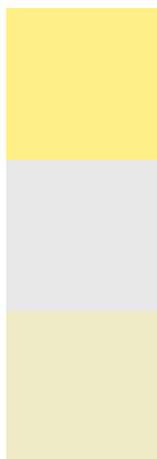
Deuteranomaly

79.7827, 84.6698, 56.9377

Tritanomaly

81.3235, 84.3699, 67.8759

Monochromacy



Original Color

76.4797, 84.7423, 35.2477

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.7216, 81.9731, 64.6548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4797, 84.7423, 35.2477 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, 239, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 135)  
}
```

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, 239, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 135) }
```

Border

The CSS property to change the border of an element to XYZ 76.4797, 84.7423, 35.2477 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, 239, 135) }
```


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

```
.border{ border-color:rgb(255, 239, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4797, 84.7423, 35.2477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 135) }
```

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

```
.background{ background-color: rgb(255,  
239, 135) }
```

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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