

Converting Colors

XYZ(77.4461, 91.6996, 50.2966)

Have a look what the booklet for
XYZ(77.4461, 91.6996, 50.2966)
contains.

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Color

**XYZ(77.3419, 91.6782,
50.1785)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFEA7
RGB	237, 254, 167
RGB Percent	93%, 100%, 65%
CMY	0.0706, 0.0039, 0.3451
CMYK	0.07, 0.00, 0.34, 0.00
HSL	72°, 98%, 83%
HSV	72°, 34%, 100%
XYZ	77.3419, 91.6782, 50.1785
YIQ	238.9990, 17.7950, -30.6610

Conversions

Conversions Part 2

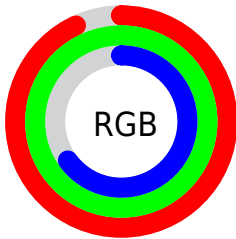
Format	Color
RYB	167, 254, 184
Decimal	15597223
CIELab	96.69, -18.93, 39.81
CIELCh	97, 44.078, 115.432
Yxy	91.6782, 0.3528, 0.4182
Android (android.graphics.Color)	4293787303 (0xFFEDFEA7)
YUV	238.9990, -35.4955, -1.7531
Hunter-Lab	95.7487, -23.3753, 35.9523

Details

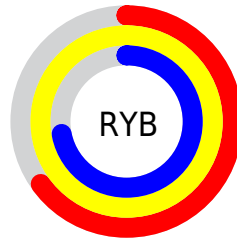
The XYZ color **77.3419, 91.6782, 50.1785** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.4789, 44.9860, 99.7412**, and the grayscale version is **82.3033, 86.5895, 94.2959**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **41.8259, 50.8507, 23.5303** is the 20% darker color. If you saturate the color by 10%, you get **73.5866, 89.9904, 38.9262**, and if you desaturate by 10%, it is **81.6090, 93.5824, 63.8657**.

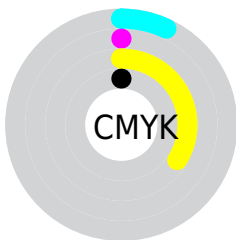
Distribution



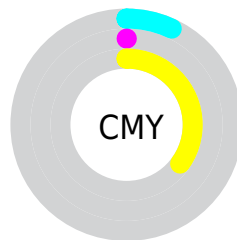
- Red (93%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (72%)



- Cyan (7%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3419, 91.6782, 50.1785 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 77.3419, 91.6782, 50.1785 by changing the saturation by 10% instead.

77.3419, 91.6782,
50.1785

77.3419, 91.6782,
50.1785

474.8030,
533.4750, 404.1186

57.8344, 69.3734,
35.1831

128.5923,
149.6673, 91.8383

41.9183, 51.0158,
23.5193

161.0659,
186.1204, 119.3398

29.2282, 36.2212,
14.7685

198.5923,
228.0583, 151.8470

19.3986, 24.6051,
8.5123

241.5368,
275.8655, 189.7786

12.0644, 15.7831,
4.3320

290.2647,
329.9264, 233.5530

6.8601, 9.3708,
1.8092

345.1415,

3.4203, 4.9838,

390.6254, 283.5888

0.4340

406.5325,
458.3467, 340.3045

■ 1.3797, 2.2378,
0.0000

■ 0.2417, 0.7405,
0.0000

■ 77.3419, 91.6782,
50.1785

■ 77.3419, 91.6782,
50.1785

■ 73.5866, 89.9904,
38.9262

■ 81.6090, 93.5824,
63.8657

■ 70.3086, 88.4956,
29.9602

■ 86.4061, 95.7007,
80.1132

■ 67.4800, 87.1858,
23.1245

■ 91.7592, 98.0469,
99.0447

■ 65.0666, 86.0472,
18.2414

94.7338, 99.3676,
108.7946

■ 63.0288, 85.0640,
15.1045

■ 61.3182, 84.2167,
13.4607

■ 60.4436, 83.7755,
12.9846

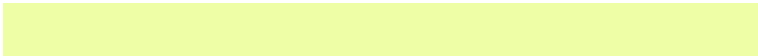
Harmonies

Analogous

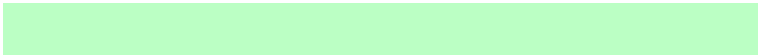
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0404, 91.6782, 46.2594



77.3419, 91.6782, 50.1785



69.0264, 91.6782, 66.0232

Triad

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



77.3419, 91.6782, 50.1785



74.3587, 91.6782, 166.8690



112.9881, 91.6782, 105.3313

Complementary

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



77.3419, 91.6782, 50.1785



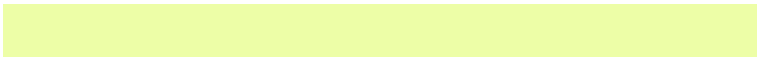
51.4789, 44.9860, 99.7412

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.



108.1678, 91.6782, 143.5446



77.3419, 91.6782, 50.1785



85.2617, 91.6782, 184.0155

Square

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



77.3419, 91.6782, 50.1785



67.4215, 91.6782, 131.9325



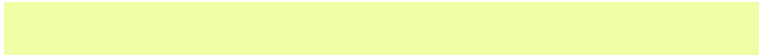
97.7269, 91.6782, 174.6071



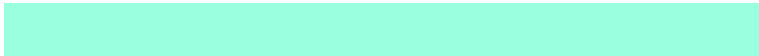
110.3648, 91.6782, 73.3964

Rectangle

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



77.3419, 91.6782, 50.1785



66.1351, 91.6782, 83.6898



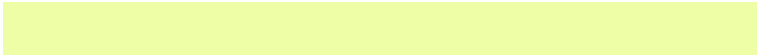
97.7269, 91.6782, 174.6071



112.1727, 91.6782, 117.9045

Sweetspot

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



77.3442, 91.6823, 50.1804



89.4027, 97.5320, 88.6088



64.7745, 57.7098, 44.2856



18.9759, 20.8057, 18.4034



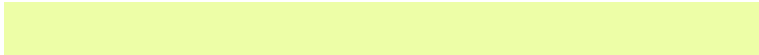
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

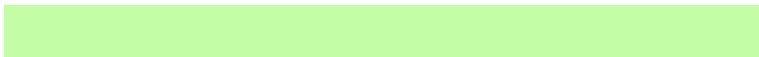
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3442, 91.6823, 50.1804



75.4185, 91.3246, 42.6969



64.8096, 85.2205, 49.5938



19.1928, 20.9008, 19.1670



31.9866, 44.2278, 6.8509



3.1992, 4.3500, 0.6710

Inverse Universe

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



51.4789, 44.9860, 99.7412



45.7980, 37.8217, 99.4942



63.2165, 51.0370, 100.2905



17.3344, 17.5486, 22.7235



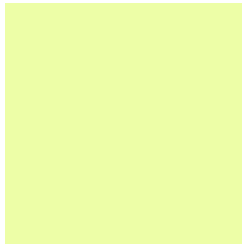
10.2083, 4.1730, 49.7020



1.0765, 0.4489, 4.8432

Previews

White Background



This preview shows how the XYZ color 77.3419, 91.6782, 50.1785 looks on a white background.

Color Contrast Check

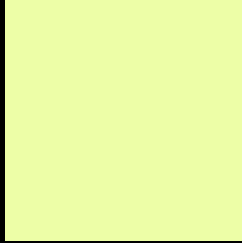
Large Text (above 18pt) WCAG AA × Fail

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 77.3419, 91.6782, 50.1785 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

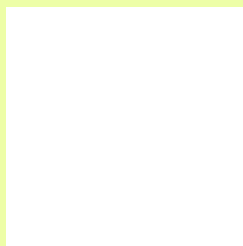
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3419, 91.6782, 50.1785

Background



This preview shows how black text looks on a background with the XYZ color 77.3419, 91.6782, 50.1785.

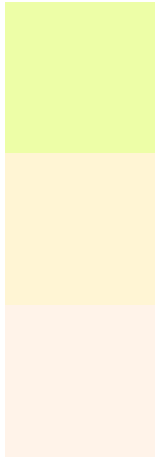


This preview shows how white text looks on a background with the XYZ color 77.3419, 91.6782,

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

77.3419, 91.6782, 50.1785

Protanopia

85.7761, 91.3183, 75.3927

Deuteranopia

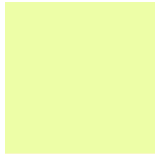
87.9986, 91.2444, 90.0647



Tritanopia

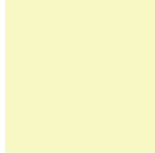
88.8120, 91.2776, 107.5452

Trichromacy



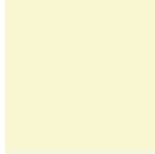
Original Color

77.3419, 91.6782, 50.1785



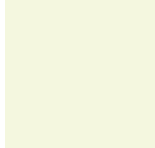
Protanomaly

82.2426, 91.0768, 65.4695



Deuteranomaly

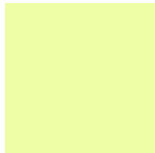
83.4808, 91.0814, 73.5022



Tritanomaly

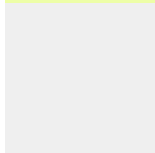
83.8883, 91.0823, 82.9713

Monochromacy



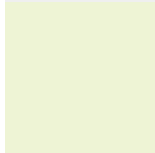
Original Color

77.3419, 91.6782, 50.1785



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.6208, 87.6826, 75.6788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3419, 91.6782, 50.1785 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(237, 254, 167)` looks like.

```
.text, #text, p{  
    color:rgb(237, 254, 167)  
}
```

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(237, 254, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 254, 167) }
```

Border

The CSS property to change the border of an element to XYZ 77.3419, 91.6782, 50.1785 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(237, 254, 167) }
```


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

```
.border{ border-color:rgb(237, 254, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 254, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 254, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 254, 167);  
box-shadow:4px 4px 4px 4px rgb(237, 254,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3419, 91.6782, 50.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 254, 167) }
```

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

```
.background{ background-color: rgb(237,  
254, 167) }
```

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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