

Converting Colors

XYZ(76.5985, 91.8325, 47.2897)

Have a look what the booklet for
XYZ(76.5985, 91.8325, 47.2897)
contains.

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Color

**XYZ(76.7851, 91.9261,
47.4147)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFA1
RGB	236, 255, 161
RGB Percent	93%, 100%, 63%
CMY	0.0745, 0.0000, 0.3686
CMYK	0.07, 0.00, 0.37, 0.00
HSL	72°, 100%, 82%
HSV	72°, 37%, 100%
XYZ	76.7851, 91.9261, 47.4147
YIQ	238.6030, 18.8500, -33.2620

Conversions

Conversions Part 2

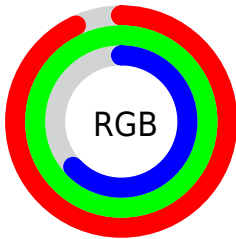
Format	Color
R _Y B	161, 255, 180
Decimal	15531937
CIE Lab	96.79, -20.49, 42.87
CIE LCh	97, 47.517, 115.544
Yxy	91.9261, 0.3553, 0.4253
Android (android.graphics.Color)	4293722017 (0xFFE0FFA1)
YUV	238.6030, -38.2583, -2.2828
Hunter-Lab	95.8781, -24.8329, 37.7939

Details

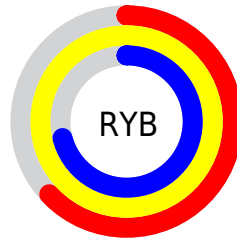
The XYZ color **76.7851, 91.9261, 47.4147** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.6183, 42.4143, 100.1793**, and the grayscale version is **82.0122, 86.2833, 93.9625**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **41.4913, 51.0546, 21.8551** is the 20% darker color. If you saturate the color by 10%, you get **73.0739, 90.2467, 36.6756**, and if you desaturate by 10%, it is **81.0049, 93.8146, 60.5737**.

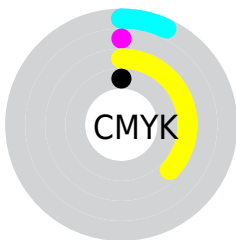
Distribution



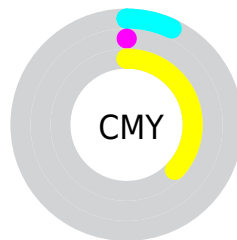
- Red (93%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7851, 91.9261, 47.4147 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 76.7851, 91.9261, 47.4147 by changing the saturation by 10% instead.

76.7851, 91.9261,
47.4147

76.7851, 91.9261,
47.4147

472.9342,
534.2767, 392.9090

57.3758, 69.5792,
33.0069

127.8105,
150.0110, 87.6888

41.5484, 51.1836,
21.8606

160.1574,
186.5178, 114.3921

28.9374, 36.3547,
13.5572

197.5475,
228.5133, 146.0311

19.1775, 24.7083,
7.6781

240.3462,
276.3821, 183.0242

11.9034, 15.8599,
3.8049

288.9189,
330.5084, 225.7900

6.7496, 9.4250,
1.5189

343.6309,

3.3510, 5.0194,

391.2767, 274.7471

0.2320

404.8475,
459.0713, 330.3139

■ 1.3420, 2.2587,
0.0000

■ 0.2143, 0.7517,
0.0000

■ 76.7851, 91.9261,
47.4147

■ 76.7851, 91.9261,
47.4147

■ 73.0739, 90.2467,
36.6756

■ 81.0049, 93.8146,
60.5737

■ 69.8420, 88.7648,
28.2049

■ 85.7585, 95.9223,
76.2841

■ 67.0580, 87.4676,
21.8397

■ 91.0704, 98.2592,
94.6724

■ 64.6863, 86.3409,
17.3942

95.0500, 100.0000,
108.9000

■ 62.6850, 85.3678,
14.6498

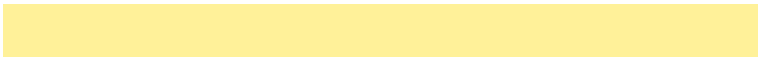
■ 61.0011, 84.5272,
13.3301

■ 60.5131, 84.2807,
13.0784

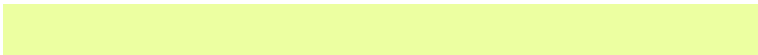
Harmonies

Analogous

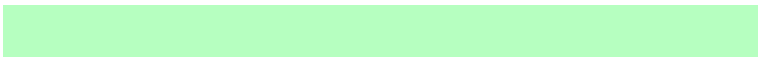
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3786, 91.9261, 43.3156



76.7851, 91.9261, 47.4147



67.9054, 91.9261, 64.0549

Triad

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



76.7851, 91.9261, 47.4147



73.6652, 91.9261, 173.5979



115.4841, 91.9261, 105.9013

Complementary

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



76.7851, 91.9261, 47.4147



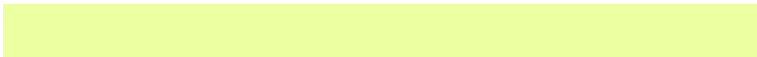
49.6183, 42.4143, 100.1793

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.



110.2455, 91.9261, 147.6062



76.7851, 91.9261, 47.4147



85.3976, 91.9261, 192.5071

Square

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



76.7851, 91.9261, 47.4147



66.2367, 91.9261, 135.1799



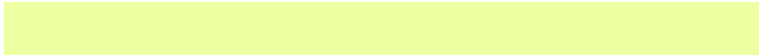
98.8920, 91.9261, 181.9576



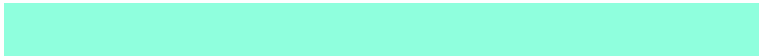
112.5860, 91.9261, 71.6706

Rectangle

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



76.7851, 91.9261, 47.4147



64.8390, 91.9261, 82.8703



98.8920, 91.9261, 181.9576



114.6027, 91.9261, 119.5479

Sweetspot

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



76.7854, 91.9262, 47.4160



88.8030, 97.2638, 86.7302



63.9546, 56.3960, 41.2342



18.8531, 20.7505, 18.0289



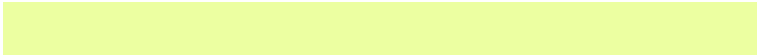
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

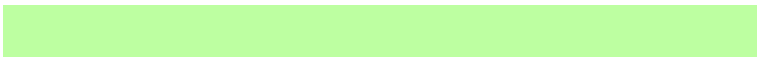
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7854, 91.9262, 47.4160



74.0857, 90.7067, 39.5106



63.2297, 84.9380, 46.7816



19.1804, 20.8944, 19.1664



31.7454, 44.1034, 6.8397



3.1777, 4.3389, 0.6700

Inverse Universe

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



49.6183, 42.4143, 100.1793



43.4594, 34.8557, 99.0450



62.4111, 49.0092, 100.7780



17.3459, 17.5545, 22.7241



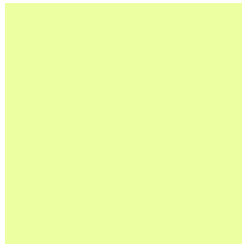
10.2553, 4.1973, 49.7042



1.0826, 0.4520, 4.8435

Previews

White Background



This preview shows how the XYZ color 76.7851, 91.9261, 47.4147 looks on a white background.

Color Contrast Check

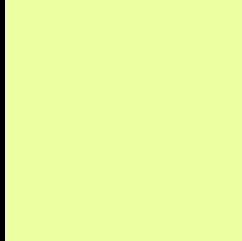
Large Text (above 18pt) WCAG AA × Fail

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 76.7851, 91.9261, 47.4147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

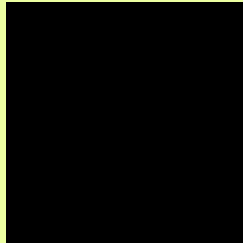
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

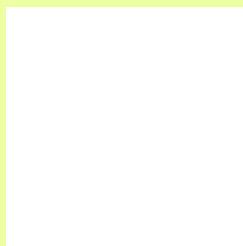
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7851, 91.9261, 47.4147

Background



This preview shows how black text looks on a background with the XYZ color 76.7851, 91.9261, 47.4147.

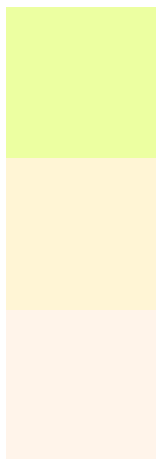


This preview shows how white text looks on a background with the XYZ color 76.7851, 91.9261,

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

76.7851, 91.9261, 47.4147

Protanopia

85.9026, 91.3689, 76.0592

Deuteranopia

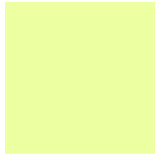
88.4420, 91.9019, 90.9193



Tritanopia

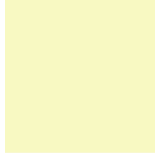
88.7585, 91.6955, 107.6287

Trichromacy



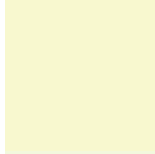
Original Color

76.7851, 91.9261, 47.4147



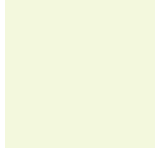
Protanomaly

82.3247, 91.6029, 64.3811



Deuteranomaly

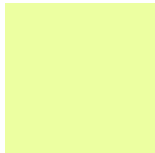
83.5413, 91.5963, 72.3082



Tritanomaly

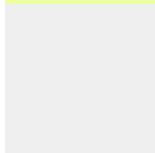
83.5807, 91.4099, 81.6453

Monochromacy



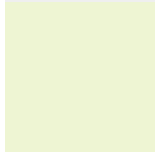
Original Color

76.7851, 91.9261, 47.4147



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.6702, 88.1851, 74.4504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7851, 91.9261, 47.4147 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(236, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 161)  
}
```

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(236, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 76.7851, 91.9261, 47.4147 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(236, 255, 161) }
```


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

```
.border{ border-color:rgb(236, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7851, 91.9261, 47.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 161) }
```

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

```
.background{ background-color: rgb(236,  
255, 161) }
```

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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