

Converting Colors

XYZ(76.9798, 92.7847, 47.6739)

Have a look what the booklet for
XYZ(76.9798, 92.7847, 47.6739)
contains.

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Color

**XYZ(76.4540, 91.7554,
47.3992)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFA1
RGB	235, 255, 161
RGB Percent	92%, 100%, 63%
CMY	0.0784, 0.0000, 0.3686
CMYK	0.08, 0.00, 0.37, 0.00
HSL	73°, 100%, 82%
HSV	73°, 37%, 100%
XYZ	76.4540, 91.7554, 47.3992
YIQ	238.3040, 18.2540, -33.4740

Conversions

Conversions Part 2

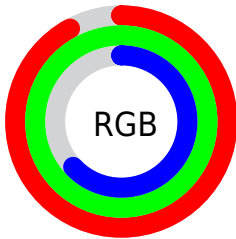
Format	Color
RYB	161, 255, 181
Decimal	15466401
CIELab	96.72, -20.86, 42.77
CIELCh	97, 47.583, 115.999
Yxy	91.7554, 0.3546, 0.4256
Android (android.graphics.Color)	4293656481 (0xFFE8FFA1)
YUV	238.3040, -38.1109, -2.8976
Hunter-Lab	95.7890, -25.1611, 37.7139

Details

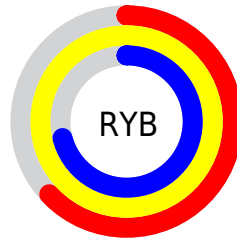
The XYZ color **76.4540, 91.7554, 47.3992** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.8520, 42.5347, 100.1903**, and the grayscale version is **81.7790, 86.0379, 93.6953**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **41.2610, 50.9359, 21.8443** is the 20% darker color. If you saturate the color by 10%, you get **72.6654, 90.0362, 36.6565**, and if you desaturate by 10%, it is **80.7564, 93.6865, 60.5621**.

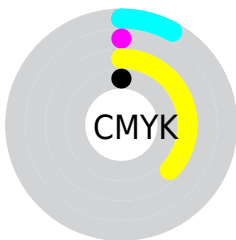
Distribution



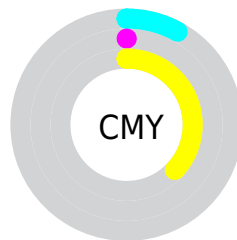
- Red (92%)
- Green (100%)
- Blue (63%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4540, 91.7554, 47.3992 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 76.4540, 91.7554, 47.3992 by changing the saturation by 10% instead.


 76.4540, 91.7554,
47.3992


 76.4540, 91.7554,
47.3992

471.8209,
533.7247, 392.8455

 57.1032, 69.4375,
32.9947


 127.3454,
149.7743, 87.6654

 41.3286, 51.0681,
21.8513


 159.6167,
186.2442, 114.3642

 28.7647, 36.2628,
13.5504


196.9256,
228.2001, 145.9983

 19.0463, 24.6372,
7.6735

239.6374,
276.0264, 182.9861

 11.8079, 15.8070,
3.8020

288.1175,
330.1077, 225.7462

 6.6843, 9.3877,
1.5174

342.7312,

 3.3100, 4.9949,

390.8282, 274.6971

0.2308

403.8439,
458.5724, 330.2573

■ 1.3198, 2.2443,
0.0000

■ 0.1979, 0.7440,
0.0000

■ 76.4540, 91.7554,
47.3992

■ 76.4540, 91.7554,
47.3992

■ 72.6654, 90.0362,
36.6565

■ 80.7564, 93.6865,
60.5621

■ 69.3613, 88.5170,
28.1824

■ 85.5980, 95.8396,
76.2765

■ 66.5103, 87.1852,
21.8141

■ 91.0032, 98.2246,
94.6693

■ 64.0765, 86.0265,
17.3656

95.0500, 100.0000,
108.9000

■ 62.0181, 85.0240,
14.6186

■ 60.2820, 84.1565,
13.2964

■ 59.7786, 83.9020,
13.0441

Harmonies

Analogous

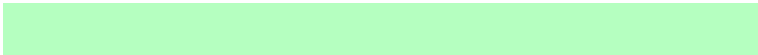
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0108, 91.7554, 43.1259



76.4540, 91.7554, 47.3992



67.6464, 91.7554, 64.2318

Triad

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



76.4540, 91.7554, 47.3992



73.6525, 91.7554, 173.9265



115.3500, 91.7554, 105.1143

Complementary

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



76.4540, 91.7554, 47.3992



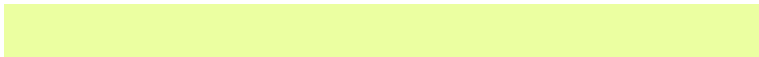
49.8520, 42.5347, 100.1903

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.



110.2245, 91.7554, 146.8173



76.4540, 91.7554, 47.3992



85.4351, 91.7554, 192.4454

Square

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



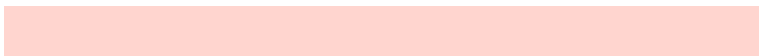
76.4540, 91.7554, 47.3992



66.1483, 91.7554, 135.6498



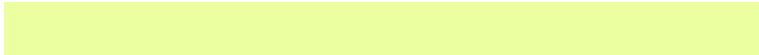
98.9319, 91.7554, 181.4421



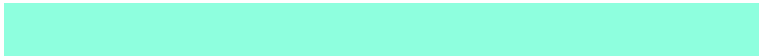
112.3277, 91.7554, 71.0672

Rectangle

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



76.4540, 91.7554, 47.3992



64.6365, 91.7554, 83.1827



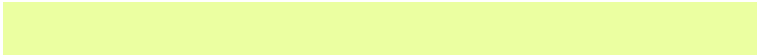
98.9319, 91.7554, 181.4421



114.5101, 91.7554, 118.7327

Sweetspot

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



76.4543, 91.7555, 47.4005



88.6965, 97.2089, 86.7253



63.9546, 56.3960, 41.2342



18.8276, 20.7374, 18.0277



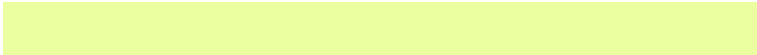
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

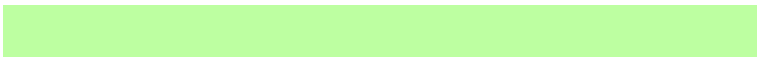
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4543, 91.7555, 47.4005



73.6989, 90.5072, 39.4925



63.2297, 84.9380, 46.7816



19.1607, 20.8843, 19.1655



31.3660, 43.9078, 6.8219



3.1439, 4.3215, 0.6684

Inverse Universe

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



49.8520, 42.5347, 100.1903



43.7098, 34.9848, 99.0567



62.4111, 49.0092, 100.7780



17.3642, 17.5640, 22.7249



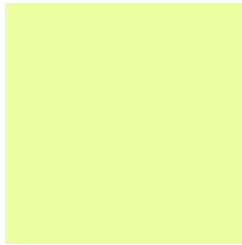
10.3337, 4.2377, 49.7079



1.0927, 0.4572, 4.8439

Previews

White Background



This preview shows how the XYZ color 76.4540, 91.7554, 47.3992 looks on a white background.

Color Contrast Check

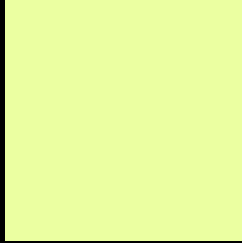
Large Text (above 18pt) WCAG AA × Fail

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 76.4540, 91.7554, 47.3992 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 76.4540, 91.7554, 47.3992

Background



This preview shows how black text looks on a background with the XYZ color 76.4540, 91.7554, 47.3992.

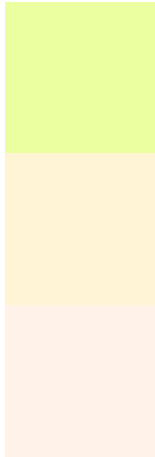


This preview shows how white text looks on a background with the XYZ color 76.4540, 91.7554,

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

76.4540, 91.7554, 47.3992

Protanopia

85.7761, 91.3183, 75.3927

Deuteranopia

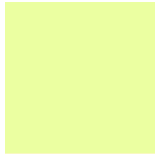
87.9986, 91.2444, 90.0647



Tritanopia

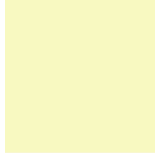
88.7585, 91.6955, 107.6287

Trichromacy



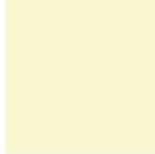
Original Color

76.4540, 91.7554, 47.3992



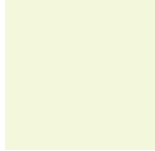
Protanomaly

82.2127, 91.5581, 63.7915



Deuteranomaly

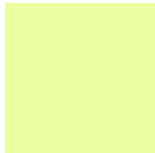
83.2346, 90.9830, 72.2060



Tritanomaly

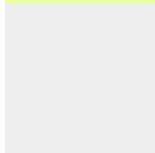
83.5807, 91.4099, 81.6453

Monochromacy



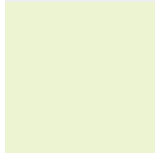
Original Color

76.4540, 91.7554, 47.3992



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9086, 87.3590, 73.6758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4540, 91.7554, 47.3992 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(235, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 76.4540, 91.7554, 47.3992 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(235, 255, 161) }
```


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

```
.border{ border-color:rgb(235, 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(235, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4540, 91.7554, 47.3992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 161) }
```

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

```
.background{ background-color: rgb(235,  
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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