

Converting Colors

XYZ(76.7604, 92.4404, 48.1230)

Have a look what the booklet for
XYZ(76.7604, 92.4404, 48.1230)
contains.

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Color

**XYZ(76.2133, 91.6211,
47.8502)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFFA2
RGB	234, 255, 162
RGB Percent	92%, 100%, 64%
CMY	0.0824, 0.0000, 0.3647
CMYK	0.08, 0.00, 0.36, 0.00
HSL	74°, 100%, 82%
HSV	74°, 36%, 100%
XYZ	76.2133, 91.6211, 47.8502
YIQ	238.1190, 17.3370, -33.3750

Conversions

Conversions Part 2

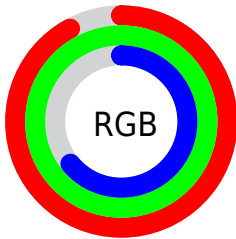
Format	Color
RYB	162, 255, 183
Decimal	15400866
CIELab	96.67, -21.11, 42.19
CIELCh	97, 47.180, 116.579
Yxy	91.6211, 0.3534, 0.4248
Android (android.graphics.Color)	4293590946 (0xFFEAFFA2)
YUV	238.1190, -37.5267, -3.6124
Hunter-Lab	95.7189, -25.3828, 37.3640

Details

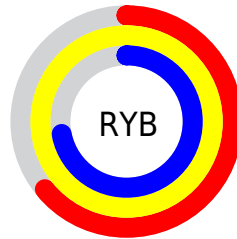
The XYZ color **76.2133, 91.6211, 47.8502** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.4999, 43.1292, 100.2709**, and the grayscale version is **81.6315, 85.8827, 93.5263**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **41.0859, 50.8394, 22.1155** is the 20% darker color. If you saturate the color by 10%, you get **72.3115, 89.8455, 37.0110**, and if you desaturate by 10%, it is **80.6368, 93.6124, 61.1154**.

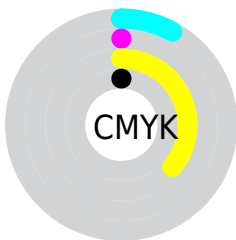
Distribution



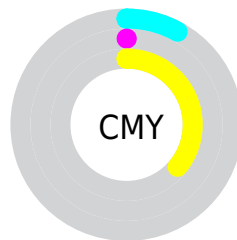
- Red (92%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (72%)



- Cyan (8%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.2133, 91.6211, 47.8502 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 76.2133, 91.6211, 47.8502 by changing the saturation by 10% instead.


 76.2133, 91.6211,
47.8502


 76.2133, 91.6211,
47.8502

471.0107,
533.2902, 394.6896

 56.9051, 69.3260,
33.3491


 127.0071,
149.5881, 88.3446

 41.1689, 50.9772,
22.1207


 159.2235,
186.0288, 115.1749

 28.6393, 36.1905,
13.7465


196.4732,
227.9535, 146.9521

 18.9511, 24.5813,
7.8078

239.1217,
275.7465, 184.0947

 11.7387, 15.7654,
3.8862

287.5344,
329.7923, 227.0212

 6.6369, 9.3583,
1.5631

342.0765,

 3.2804, 4.9756,

390.4753, 276.1501

0.2643

403.1135,
458.1798, 331.9001

■ 1.3037, 2.2330,
0.0000

■ 0.1860, 0.7379,
0.0000

■ 76.2133, 91.6211,
47.8502

■ 76.2133, 91.6211,
47.8502

■ 72.3115, 89.8455,
37.0110

■ 80.6368, 93.6124,
61.1154

■ 68.9020, 88.2739,
28.4468

■ 85.6073, 95.8298,
76.9376

■ 65.9535, 86.8936,
21.9955

■ 91.1493, 98.2829,
95.4432

■ 63.4304, 85.6904,
17.4721

95.0500, 100.0000,
108.9000

■ 61.2907, 84.6473,
14.6599

■ 59.4824, 83.7437,
13.2876

■ 58.8956, 83.4469,
13.0027

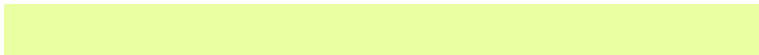
Harmonies

Analogous

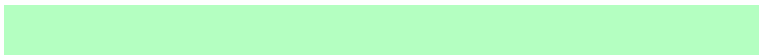
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6065, 91.6211, 43.3700



76.2133, 91.6211, 47.8502



67.5702, 91.6211, 64.8403

Triad

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



76.2133, 91.6211, 47.8502



73.8382, 91.6211, 173.5602



114.9556, 91.6211, 104.1606

Complementary

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



76.2133, 91.6211, 47.8502



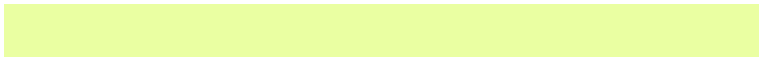
50.4999, 43.1292, 100.2709

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.



110.0316, 91.6211, 145.3913



76.2133, 91.6211, 47.8502



85.5773, 91.6211, 191.3340

Square

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



76.2133, 91.6211, 47.8502



66.2993, 91.6211, 135.9459



98.9402, 91.6211, 179.9107



111.8113, 91.6211, 70.6426

Rectangle

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



76.2133, 91.6211, 47.8502



64.6546, 91.6211, 83.8213



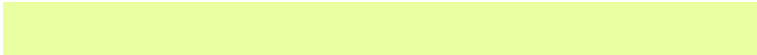
98.9402, 91.6211, 179.9107



114.1776, 91.6211, 117.6005

Sweetspot

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



76.2136, 91.6212, 47.8515



88.5662, 97.1417, 86.7192



64.5210, 57.3870, 41.8599



18.7964, 20.7213, 18.0262



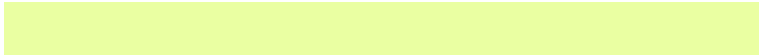
0.0000, 0.0000, 0.0000



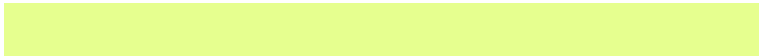
20.3446, 21.4041, 23.3091

Same Dimension

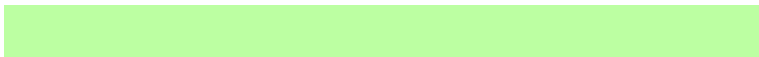
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2136, 91.6212, 47.8515



73.2282, 90.2646, 39.4705



63.1077, 84.8649, 47.2381



19.1365, 20.8718, 19.1644



30.9096, 43.6726, 6.8005



3.1031, 4.3005, 0.6665

Inverse Universe

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



50.4999, 43.1292, 100.2709



44.0199, 35.1447, 99.0712



63.1726, 49.6623, 100.8640



17.3866, 17.5755, 22.7260



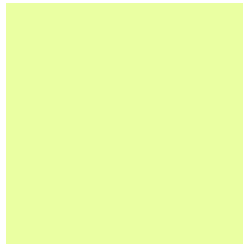
10.4356, 4.2902, 49.7127



1.1056, 0.4639, 4.8445

Previews

White Background



This preview shows how the XYZ color 76.2133, 91.6211, 47.8502 looks on a white background.

Color Contrast Check

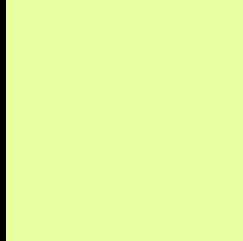
Large Text (above 18pt) WCAG AA × Fail

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 76.2133, 91.6211, 47.8502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

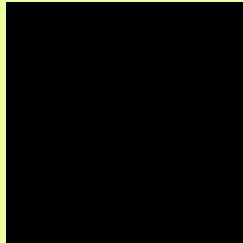
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.2133, 91.6211, 47.8502

Background



This preview shows how black text looks on a background with the XYZ color 76.2133, 91.6211, 47.8502.

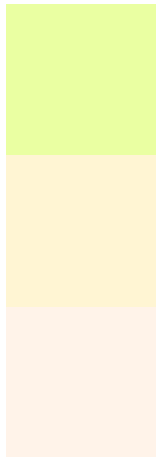


This preview shows how white text looks on a background with the XYZ color 76.2133, 91.6211,

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

76.2133, 91.6211, 47.8502

Protanopia

85.6503, 91.2680, 74.7302

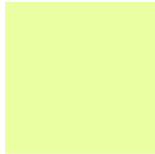
Deuteranopia

87.9986, 91.2444, 90.0647

Tritanopia

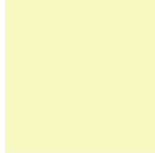
88.4067, 91.5142, 107.6122

Trichromacy



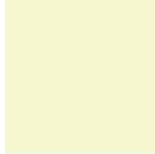
Original Color

76.2133, 91.6211, 47.8502



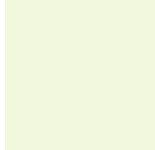
Protanomaly

81.8591, 91.3758, 63.7749



Deuteranomaly

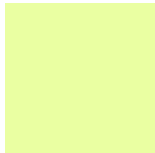
82.8810, 90.8007, 72.1895



Tritanomaly

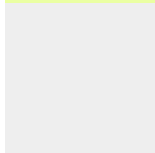
83.2365, 91.2325, 81.6292

Monochromacy



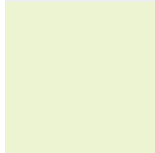
Original Color

76.2133, 91.6211, 47.8502



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 76.2133, 91.6211, 47.8502 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(234, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 162)  
}
```

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(234, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 76.2133, 91.6211, 47.8502 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(234, 255, 162) }
```


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

```
.border{ border-color:rgb(234, 255, 162) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2133, 91.6211, 47.8502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 162) }
```

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

```
.background{ background-color: rgb(234,  
255, 162) }
```

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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