

Converting Colors

XYZ(75.8686, 91.4736, 46.4682)

Have a look what the booklet for
XYZ(75.8686, 91.4736, 46.4682)
contains.

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Color

**XYZ(75.9497, 91.5156,
46.4622)**

Conversions

Conversions Part 1

Format	Color
Hex	E AFF 9 F
RGB	234, 255, 159
RGB Percent	92%, 100%, 62%
CMY	0.0824, 0.0000, 0.3765
CMYK	0.08, 0.00, 0.38, 0.00
HSL	73°, 100%, 81%
HSV	73°, 38%, 100%
XYZ	75.9497, 91.5156, 46.4622
YIQ	237.7770, 18.3000, -34.3080

Conversions

Conversions Part 2

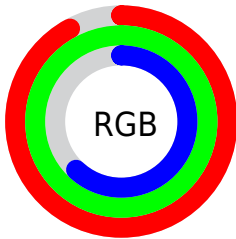
Format	Color
RYB	159, 255, 180
Decimal	15400863
CIELab	96.62, -21.46, 43.60
CIELCh	97, 48.599, 116.204
Yxy	91.5156, 0.3550, 0.4278
Android (android.graphics.Color)	4293590943 (0xFFEAF9F)
YUV	237.7770, -38.8371, -3.3124
Hunter-Lab	95.6638, -25.6963, 38.1686

Details

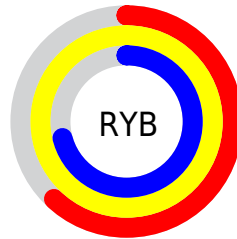
The XYZ color **75.9497, 91.5156, 46.4622** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.2716, 41.7209, 100.0638**, and the grayscale version is **81.3757, 85.6136, 93.2332**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **40.9271, 50.7759, 21.2793** is the 20% darker color. If you saturate the color by 10%, you get **72.1574, 89.7905, 35.9011**, and if you desaturate by 10%, it is **80.2568, 93.4534, 59.4326**.

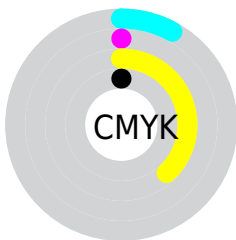
Distribution



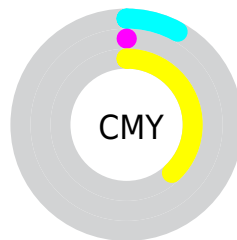
- Red (92%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (71%)



- Cyan (8%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.9497, 91.5156, 46.4622 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 75.9497, 91.5156, 46.4622 by changing the saturation by 10% instead.


 75.9497, 91.5156,
46.4622


 75.9497, 91.5156,
46.4622


470.1225,
532.9488, 388.9952

 56.6882, 69.2384,
32.2594


 126.6365,
149.4419, 86.2519

 40.9941, 50.9059,
21.2933


 158.7926,
185.8597, 112.6758

 28.5021, 36.1337,
13.1452


195.9775,
227.7598, 144.0105

 18.8469, 24.5375,
7.3967

238.5566,
275.5266, 180.6746

 11.6630, 15.7328,
3.6292

286.8953,
329.5445, 223.0866

 6.5852, 9.3353,
1.4242

341.3590,

 3.2481, 4.9605,

390.1979, 271.6650

0.1605

402.3129,
457.8712, 326.8283

■ 1.2863, 2.2241,
0.0000

■ 0.1729, 0.7331,
0.0000

■ 75.9497, 91.5156,
46.4622

■ 75.9497, 91.5156,
46.4622

■ 72.1574, 89.7905,
35.9011

■ 80.2568, 93.4534,
59.4326

■ 68.8502, 88.2659,
27.5964

■ 85.1041, 95.6140,
74.9445

■ 65.9965, 86.9293,
21.3840

■ 90.5164, 98.0073,
93.1253

■ 63.5599, 85.7661,
17.0758

95.0500, 100.0000,
108.9000

■ 61.4979, 84.7590,
14.4502

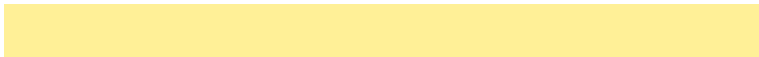
■ 59.7544, 83.8857,
13.2146

■ 59.3710, 83.6919,
13.0250

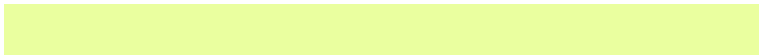
Harmonies

Analogous

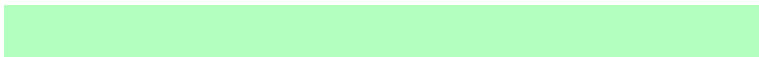
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7240, 91.5156, 42.0827



75.9497, 91.5156, 46.4622



67.0291, 91.5156, 63.5531

Triad

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



75.9497, 91.5156, 46.4622



73.2456, 91.5156, 175.6486



115.7404, 91.5156, 104.6810

Complementary

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



75.9497, 91.5156, 46.4622



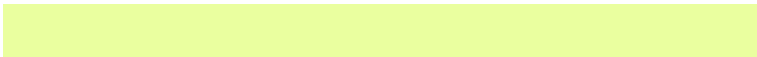
49.2716, 41.7209, 100.0638

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.



110.5489, 91.5156, 147.3243



75.9497, 91.5156, 46.4622



85.2646, 91.5156, 194.4941

Square

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



75.9497, 91.5156, 46.4622



65.5858, 91.5156, 136.4675



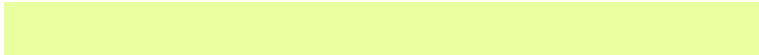
99.0359, 91.5156, 182.9766



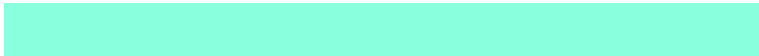
112.5907, 91.5156, 70.1245

Rectangle

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



75.9497, 91.5156, 46.4622



63.9990, 91.5156, 82.8469



99.0359, 91.5156, 182.9766



114.9000, 91.5156, 118.5728

Sweetspot

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



75.9500, 91.5158, 46.4635



88.6367, 97.1780, 86.7225



63.7796, 56.3260, 40.3126



18.8132, 20.7300, 18.0270



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

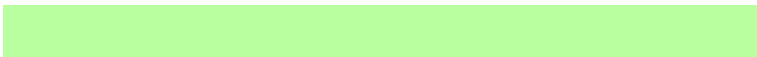
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9500, 91.5158, 46.4635



73.1125, 90.2270, 38.4698



62.3171, 84.4877, 45.8255



19.1495, 20.8785, 19.1650



31.1553, 43.7992, 6.8120



3.1251, 4.3118, 0.6676

Inverse Universe

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



49.2716, 41.7209, 100.0638



43.0550, 34.0864, 98.9178



62.3804, 48.4787, 100.6773



17.3745, 17.5693, 22.7254



10.3797, 4.2614, 49.7100



1.0986, 0.4603, 4.8442

Previews

White Background



This preview shows how the XYZ color 75.9497, 91.5156, 46.4622 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 75.9497, 91.5156, 46.4622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

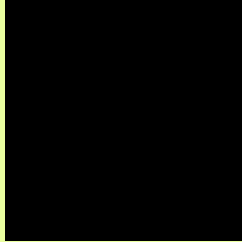
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

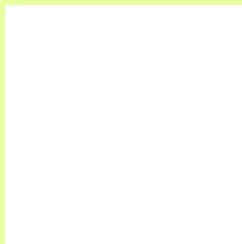
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.9497, 91.5156, 46.4622

Background



This preview shows how black text looks on a background with the XYZ color 75.9497, 91.5156, 46.4622.

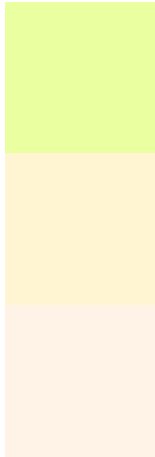


This preview shows how white text looks on a background with the XYZ color 75.9497, 91.5156,

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

75.9497, 91.5156, 46.4622

Protanopia

85.6503, 91.2680, 74.7302

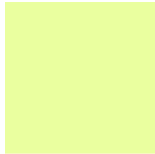
Deuteranopia

87.8561, 91.1874, 89.3143

Tritanopia

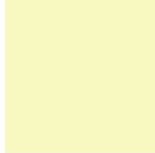
88.4067, 91.5142, 107.6122

Trichromacy



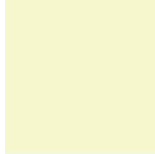
Original Color

75.9497, 91.5156, 46.4622



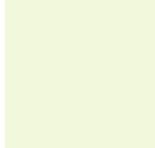
Protanomaly

81.7479, 91.3313, 63.1893



Deuteranomaly

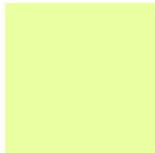
82.6380, 90.7035, 70.9096



Tritanomaly

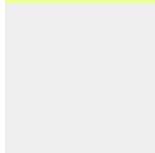
83.1036, 91.1794, 80.9295

Monochromacy



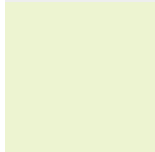
Original Color

75.9497, 91.5156, 46.4622



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.7844, 87.3093, 73.0216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9497, 91.5156, 46.4622 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 75.9497, 91.5156, 46.4622 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, 159) }
```


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

```
.border{ border-color:rgb(234, 255, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9497, 91.5156, 46.4622 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, 159) }
```

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

```
.background{ background-color: rgb(234,  
255, 159) }
```

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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