

Converting Colors

XYZ(96.9430, 90.9756, 47.2642)

Have a look what the booklet for
XYZ(96.9430, 90.9756, 47.2642)
contains.

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Color

**XYZ(75.8702, 79.9430,
46.0821)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5A3
RGB	255, 229, 163
RGB Percent	100%, 90%, 64%
CMY	0.0000, 0.1019, 0.3608
CMYK	0.00, 0.10, 0.36, 0.00
HSL	43°, 100%, 82%
HSV	43°, 36%, 100%
XYZ	75.8702, 79.9430, 46.0821
YIQ	229.2500, 36.6820, -15.0140

Conversions

Conversions Part 2

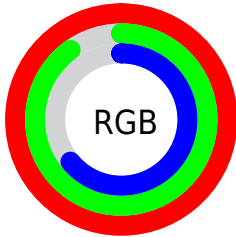
Format	Color
R _Y B	199, 255, 163
Decimal	16770467
CIE Lab	91.66, -0.23, 35.46
CIE LCh	92, 35.460, 90.373
Yxy	79.9430, 0.3758, 0.3960
Android (android.graphics.Color)	4294960547 (0xFFFFE5A3)
YUV	229.2500, -32.6613, 22.5828
Hunter-Lab	89.4108, -5.0016, 32.0297

Details

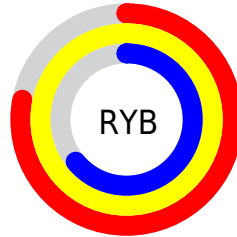
The XYZ color **75.8702, 79.9430, 46.0821** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.3514, 51.4001, 101.8224**, and the grayscale version is **74.8761, 78.7755, 85.7865**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **41.0313, 43.2901, 21.2322** is the 20% darker color. If you saturate the color by 10%, you get **71.8601, 75.2178, 34.5873**, and if you desaturate by 10%, it is **80.4277, 85.0253, 60.0338**.

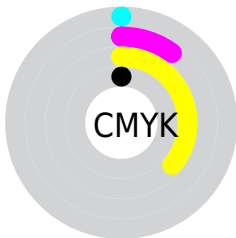
Distribution



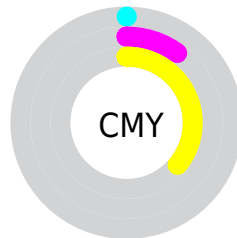
- Red (100%)
- Green (90%)
- Blue (64%)



- Red (78%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (10%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8702, 79.9430, 46.0821 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 75.8702, 79.9430, 46.0821 by changing the saturation by 10% instead.


 75.8702, 79.9430,
46.0821

 75.8702, 79.9430,
46.0821


469.8545,
494.7407, 387.4258

 56.6228, 59.6714,
31.9615


 126.5247,
133.2856, 85.6774

 40.9414, 43.1539,
21.0675


 158.6626,
167.1254, 111.9892

 28.4608, 30.0059,
12.9816


195.8279,
206.2568, 143.2018

 18.8155, 19.8430,
7.2853

238.3861,
251.0641, 179.7338

 11.6403, 12.2810,
3.5600

286.7025,
301.9318, 222.0036

 6.5697, 6.9354,
1.3872

341.1424,

 3.2384, 3.4217,

359.2442, 270.4298

0.1317

402.0713,
423.3857, 325.4311

■ 1.2810, 1.3557,
0.0000

■ 0.1690, 0.1837,
0.0000

■ 75.8702, 79.9430,
46.0821

■ 75.8702, 79.9430,
46.0821

■ 71.8601, 75.2178,
34.5873

■ 80.4277, 85.0253,
60.0338

■ 68.3626, 70.8257,
25.3975

■ 85.5532, 90.4658,
76.5723

■ 65.3479, 66.7558,
18.3515

■ 91.2733, 96.2796,
95.8241

■ 62.7800, 62.9922,
13.2650

95.0500, 100.0000,
108.9000

■ 60.6169, 59.5164,
9.9224

■ 58.8068, 56.3060,
8.0559

■ 58.1634, 55.1068,
7.5711

Harmonies

Analogous

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



84.9239, 79.9430, 50.4828



75.8702, 79.9430, 46.0821



67.5120, 79.9430, 50.7088

Triad

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



75.8702, 79.9430, 46.0821



61.9242, 79.9430, 114.7827



92.1529, 79.9430, 114.1083

Complementary

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



75.8702, 79.9430, 46.0821



51.3514, 51.4001, 101.8224

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.



85.1354, 79.9430, 137.5674



75.8702, 79.9430, 46.0821



67.6935, 79.9430, 138.0080

Square

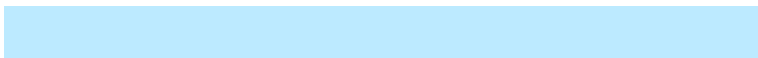
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8702, 79.9430, 46.0821



59.8621, 79.9430, 87.3692



76.0968, 79.9430, 147.0660



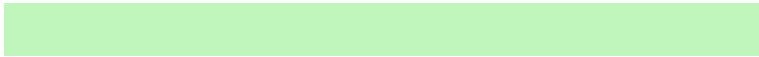
94.7668, 79.9430, 86.7203

Rectangle

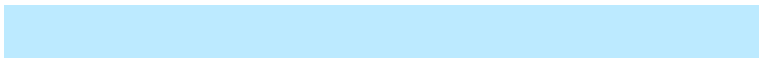
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8702, 79.9430, 46.0821



63.3414, 79.9430, 58.9465



76.0968, 79.9430, 147.0660



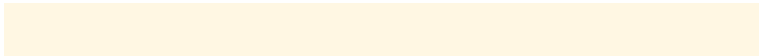
90.2046, 79.9430, 122.8955

Sweetspot

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



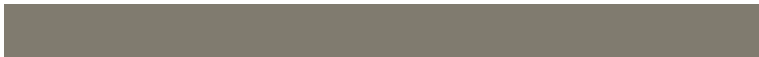
75.8722, 79.9467, 46.0837



88.3818, 93.3705, 86.0010



63.5303, 51.1323, 54.7041



18.7524, 19.8171, 17.8540



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.



75.8722, 79.9467, 46.0837



73.0386, 76.6367, 37.8726



76.6542, 91.8380, 48.3378



19.1020, 20.1722, 19.0312



30.5248, 29.0609, 4.0005



3.0649, 3.0152, 0.4205

Inverse Universe

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



51.3514, 51.4001, 101.8224



45.3791, 44.4522, 100.7961



50.6606, 43.4745, 100.3291



17.4209, 18.2133, 22.8473



10.7524, 6.4143, 50.1060



1.1348, 0.8003, 4.9079

Previews

White Background



This preview shows how the XYZ color 75.8702, 79.9430, 46.0821 looks on a white background.

Color Contrast Check

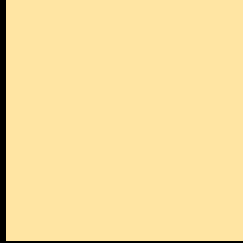
Large Text (above 18pt) WCAG AA × Fail

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 75.8702, 79.9430, 46.0821 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 75.8702, 79.9430, 46.0821

Background



This preview shows how black text looks on a background with the XYZ color 75.8702, 79.9430, 46.0821.



This preview shows how white text looks on a background with the XYZ color 75.8702, 79.9430,

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

75.8702, 79.9430, 46.0821

Protanopia

74.3437, 79.9719, 46.6397

Deuteranopia

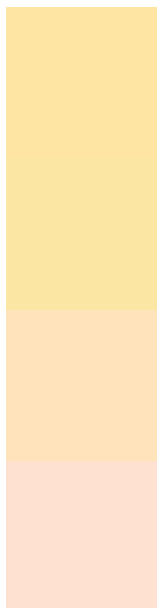
78.8617, 79.8228, 65.8945



Tritanopia

82.6231, 80.0335, 89.6906

Trichromacy



Original Color

75.8702, 79.9430, 46.0821

Protanomaly

74.7813, 79.7832, 46.5803

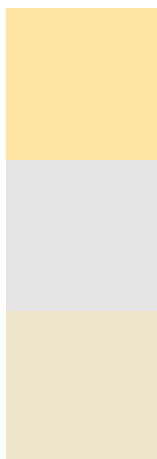
Deuteranomaly

77.6787, 79.7860, 58.3198

Tritanomaly

79.6738, 79.7139, 71.5087

Monochromacy



Original Color

75.8702, 79.9430, 46.0821

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.2987, 78.6235, 69.0175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8702, 79.9430, 46.0821 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(255, 229, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 163)  
}
```

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(255, 229, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 163) }
```

Border

The CSS property to change the border of an element to XYZ 75.8702, 79.9430, 46.0821 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(255, 229, 163) }
```


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

```
.border{ border-color:rgb(255, 229, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8702, 79.9430, 46.0821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 163) }
```

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

```
.background{ background-color: rgb(255,  
229, 163) }
```

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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