

Converting Colors

XYZ(143.4999, 116.1890,
49.6925)

Have a look what the booklet for
XYZ(143.4999, 116.1890, 49.6925)
contains.

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Color

**XYZ(76.7075, 81.6176,
46.3612)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8A3
RGB	255, 232, 163
RGB Percent	100%, 91%, 64%
CMY	0.0000, 0.0902, 0.3608
CMYK	0.00, 0.09, 0.36, 0.00
HSL	45°, 100%, 82%
HSV	45°, 36%, 100%
XYZ	76.7075, 81.6176, 46.3612
YIQ	231.0110, 35.8570, -16.5830

Conversions

Conversions Part 2

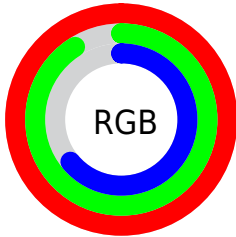
Format	Color
RYB	194, 255, 163
Decimal	16771235
CIELab	92.41, -1.75, 36.44
CIElCh	92, 36.486, 92.747
Yxy	81.6176, 0.3748, 0.3987
Android (android.graphics.Color)	4294961315 (0xFFFFE8A3)
YUV	231.0110, -33.5294, 21.0384
Hunter-Lab	90.3425, -6.5395, 32.8138

Details

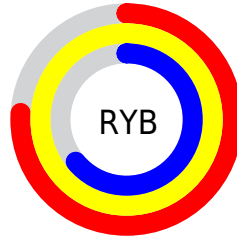
The XYZ color **76.7075, 81.6176, 46.3612** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.7127, 50.1228, 101.6096**, and the grayscale version is **76.1886, 80.1564, 87.2903**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **41.5626, 44.4404, 21.1391** is the 20% darker color. If you saturate the color by 10%, you get **72.8882, 77.2740, 34.9300**, and if you desaturate by 10%, it is **81.0566, 86.2831, 60.2435**.

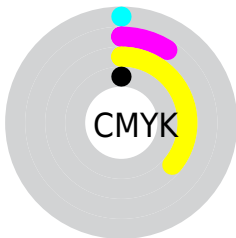
Distribution



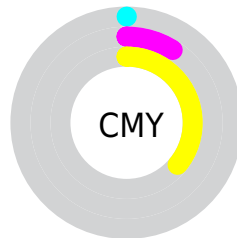
- Red (100%)
- Green (91%)
- Blue (64%)



- Red (76%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (9%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7075, 81.6176, 46.3612 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 76.7075, 81.6176, 46.3612 by changing the saturation by 10% instead.


 76.7075, 81.6176,
46.3612


 76.7075, 81.6176,
46.3612


472.6734,
500.3677, 388.5786

 57.3119, 61.0504,
32.1802


 127.7015,
135.6376, 86.0993

 41.4968, 44.2658,
21.2332


 160.0307,
169.8592, 112.4935

 28.8969, 30.8795,
13.1017


197.4018,
209.4010, 143.7958

 19.1467, 20.5071,
7.3671

240.1802,
254.6475, 180.4248

 11.8810, 12.7642,
3.6108

288.7312,
305.9830, 222.7991

 6.7343, 7.2664,
1.4144

343.4201,

 3.3413, 3.6293,

363.7919, 271.3371

0.1529

404.6124,
428.4587, 326.4574

■ 1.3367, 1.4684,
0.0000

■ 0.2105, 0.2663,
0.0000

■ 76.7075, 81.6176,
46.3612

■ 76.7075, 81.6176,
46.3612

■ 72.8882, 77.2740,
34.9300

■ 81.0566, 86.2831,
60.2435

■ 69.5641, 73.2286,
25.7980

■ 85.9557, 91.2708,
76.7065

■ 66.7057, 69.4714,
18.8041

■ 91.4311, 96.5952,
95.8768

■ 64.2774, 65.9871,
13.7642

95.0500, 100.0000,
108.9000

■ 62.2376, 62.7577,
10.4627

■ 60.5347, 59.7616,
8.6319

■ 59.9290, 58.6380,
8.1597

Harmonies

Analogous

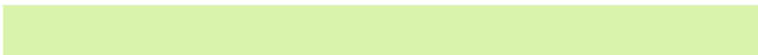
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1976, 81.6176, 50.1660



76.7075, 81.6176, 46.3612



68.1546, 81.6176, 51.8889

Triad

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



76.7075, 81.6176, 46.3612



63.2729, 81.6176, 120.0968



94.8773, 81.6176, 114.8936

Complementary

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



76.7075, 81.6176, 46.3612



50.7127, 50.1228, 101.6096

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.



87.8259, 81.6176, 140.2201



76.7075, 81.6176, 46.3612



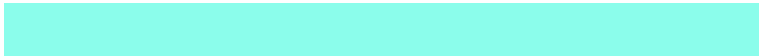
69.5476, 81.6176, 143.6275

Square

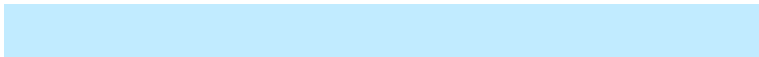
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7075, 81.6176, 46.3612



60.8027, 81.6176, 91.3851



78.4492, 81.6176, 151.6464



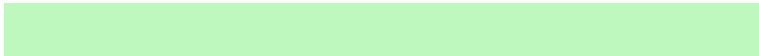
97.1788, 81.6176, 86.3969

Rectangle

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



76.7075, 81.6176, 46.3612



63.9910, 81.6176, 60.9398



78.4492, 81.6176, 151.6464



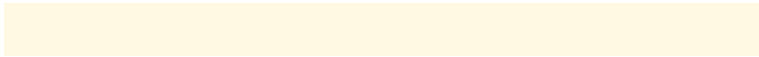
92.9571, 81.6176, 124.2411

Sweetspot

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



76.7095, 81.6213, 46.3629



88.6623, 93.9315, 86.0945



63.2007, 51.0004, 52.9684



18.8195, 19.9513, 17.8764



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.



76.7095, 81.6213, 46.3629



74.0099, 78.5792, 38.1963



75.6500, 91.3203, 48.2908



19.1542, 20.2765, 19.0486



31.4389, 30.8891, 4.3052



3.1476, 3.1806, 0.4480

Inverse Universe

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



50.7127, 50.1228, 101.6096



44.6855, 43.0650, 100.5649



51.3977, 43.8545, 100.3636



17.3718, 18.1152, 22.8309



10.4803, 5.8702, 50.0153



1.1026, 0.7359, 4.8972

Previews

White Background



This preview shows how the XYZ color 76.7075, 81.6176, 46.3612 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 76.7075, 81.6176, 46.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

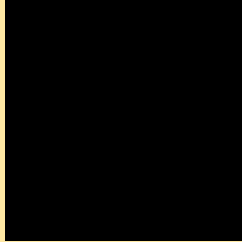
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7075, 81.6176, 46.3612

Background



This preview shows how black text looks on a background with the XYZ color 76.7075, 81.6176, 46.3612.



This preview shows how white text looks on a background with the XYZ color 76.7075, 81.6176,

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

76.7075, 81.6176, 46.3612

Protanopia

75.8947, 81.6176, 46.4040

Deuteranopia

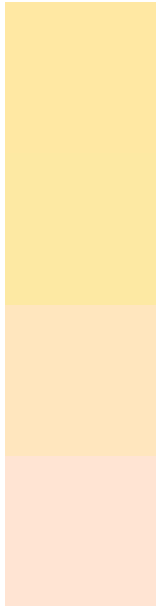
80.2788, 81.7064, 69.2974



Tritanopia

83.8690, 81.8258, 92.2625

Trichromacy



Original Color

76.7075, 81.6176, 46.3612

Protanomaly

76.2578, 81.8048, 46.4210

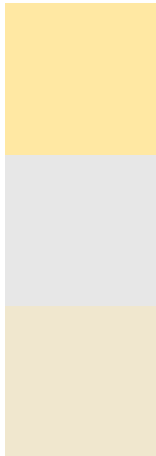
Deuteranomaly

78.8311, 81.5713, 60.3052

Tritanomaly

80.7413, 81.4500, 73.0939

Monochromacy



Original Color

76.7075, 81.6176, 46.3612

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.6517, 80.1333, 69.8725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7075, 81.6176, 46.3612 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, 232, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 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, 232, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 163) }
```

Border

The CSS property to change the border of an element to XYZ 76.7075, 81.6176, 46.3612 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, 232, 163) }
```


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

```
.border{ border-color:rgb(255, 232, 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, 232, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7075, 81.6176, 46.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 163) }
```

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

```
.background{ background-color: rgb(255,  
232, 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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