

Converting Colors

XYZ(113.5739, 100.0000,
48.3404)

Have a look what the booklet for
XYZ(113.5739, 100.0000, 48.3404)
contains.

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Color

**XYZ(76.5168, 81.0922,
46.7414)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7A4
RGB	255, 231, 164
RGB Percent	100%, 91%, 64%
CMY	0.0000, 0.0941, 0.3569
CMYK	0.00, 0.09, 0.36, 0.00
HSL	44°, 100%, 82%
HSV	44°, 36%, 100%
XYZ	76.5168, 81.0922, 46.7414
YIQ	230.5380, 35.8110, -15.7490

Conversions

Conversions Part 2

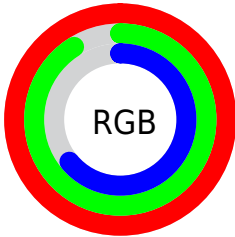
Format	Color
RYB	197, 255, 164
Decimal	16770980
CIELab	92.17, -1.13, 35.63
CIELCh	92, 35.650, 91.816
Yxy	81.0922, 0.3744, 0.3968
Android (android.graphics.Color)	4294961060 (0xFFFFE7A4)
YUV	230.5380, -32.8032, 21.4532
Hunter-Lab	90.0512, -5.9176, 32.2612

Details

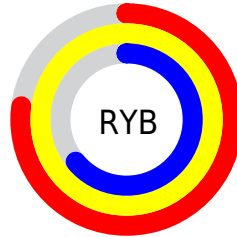
The XYZ color **76.5168, 81.0922, 46.7414** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.3426, 51.0773, 101.7606**, and the grayscale version is **75.8313, 79.7805, 86.8809**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **41.4205, 44.0687, 21.3619** is the 20% darker color. If you saturate the color by 10%, you get **72.5957, 76.5731, 35.1897**, and if you desaturate by 10%, it is **80.9759, 85.9480, 60.7521**.

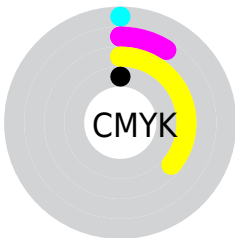
Distribution



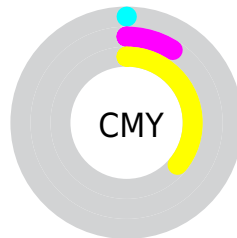
- Red (100%)
- Green (91%)
- Blue (64%)



- Red (77%)
- 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 76.5168, 81.0922, 46.7414 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 76.5168, 81.0922, 46.7414 by changing the saturation by 10% instead.


 76.5168, 81.0922,
46.7414


 76.5168, 81.0922,
46.7414


472.0322,
498.6060, 390.1452

 57.1549, 60.6175,
32.4784


 127.4336,
134.9002, 86.6734

 41.3703, 43.9166,
21.4593


 159.7193,
169.0024, 113.1795

 28.7975, 30.6049,
13.2657


197.0436,
208.4158, 144.6037

 19.0712, 20.2982,
7.4789

239.7719,
253.5249, 181.3645

 11.8260, 12.6120,
3.6804

288.2696,
304.7141, 223.8806

 6.6967, 7.1619,
1.4517

342.9019,

 3.3178, 3.5636,

362.3678, 272.5703

0.1816

404.0344,
426.8703, 327.8524

■ 1.3240, 1.4326,
0.0000

■ 0.2010, 0.2405,
0.0000

■ 76.5168, 81.0922,
46.7414

■ 76.5168, 81.0922,
46.7414

■ 72.5957, 76.5731,
35.1897

■ 80.9759, 85.9480,
60.7521

■ 69.1780, 72.3669,
25.9455

■ 85.9934, 91.1412,
77.3511

■ 66.2344, 68.4633,
18.8486

■ 91.5955, 96.6864,
96.6644

■ 63.7291, 64.8469,
13.7155

95.0500, 100.0000,
108.9000

■ 61.6208, 61.4996,
10.3324

■ 59.8582, 58.3998,
8.4341

■ 59.1728, 57.1257,
7.9076

Harmonies

Analogous

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



85.7309, 81.0922, 50.7634



76.5168, 81.0922, 46.7414



68.1259, 81.0922, 51.8809

Triad

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



76.5168, 81.0922, 46.7414



63.0076, 81.0922, 117.7690



93.7328, 81.0922, 114.4335

Complementary

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



76.5168, 81.0922, 46.7414



51.3426, 51.0773, 101.7606

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.



86.7769, 81.0922, 138.6871



76.5168, 81.0922, 46.7414



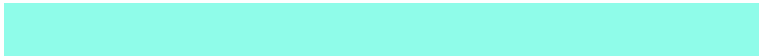
69.0236, 81.0922, 140.8665

Square

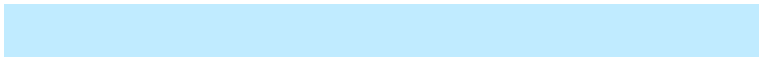
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5168, 81.0922, 46.7414



60.7212, 81.0922, 89.9099



77.6373, 81.0922, 149.1869



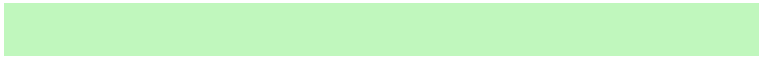
96.1310, 81.0922, 86.7008

Rectangle

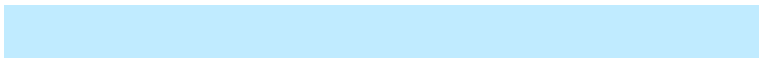
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.5168, 81.0922, 46.7414



63.9976, 81.0922, 60.5481



77.6373, 81.0922, 149.1869



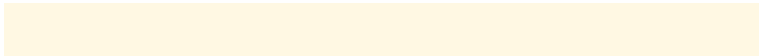
91.8241, 81.0922, 123.4404

Sweetspot

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



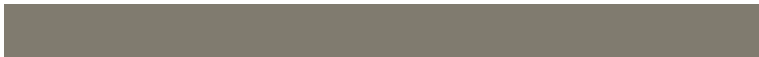
76.5188, 81.0959, 46.7431



88.5440, 93.6949, 86.0550



63.6219, 51.4541, 54.3071



18.7912, 19.8947, 17.8669



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

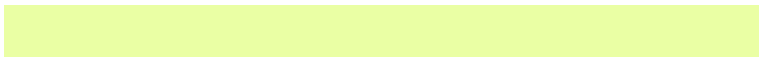
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5188, 81.0959, 46.7431



73.5983, 77.7560, 38.0591



76.3163, 91.6535, 48.7916



19.1322, 20.2325, 19.0412



31.0476, 30.1064, 4.1747



3.1123, 3.1099, 0.4362

Inverse Universe

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



51.3426, 51.0773, 101.7606



44.9754, 43.6448, 100.6616



51.3902, 44.1152, 100.4143



17.3924, 18.1565, 22.8378



10.5905, 6.0905, 50.0520



1.1158, 0.7623, 4.9016

Previews

White Background



This preview shows how the XYZ color 76.5168, 81.0922, 46.7414 looks on a white background.

Color Contrast Check

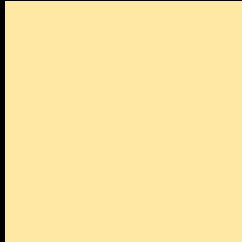
Large Text (above 18pt) WCAG AA × Fail

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 76.5168, 81.0922, 46.7414 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 76.5168, 81.0922, 46.7414

Background



This preview shows how black text looks on a background with the XYZ color 76.5168, 81.0922, 46.7414.



This preview shows how white text looks on a background with the XYZ color 76.5168, 81.0922,

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

76.5168, 81.0922, 46.7414

Protanopia

75.4318, 80.9391, 47.2444

Deuteranopia

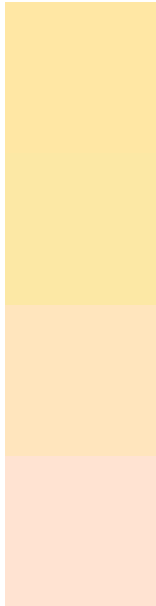
79.8825, 81.1064, 68.5716



Tritanopia

83.4513, 81.2249, 91.4004

Trichromacy



Original Color

76.5168, 81.0922, 46.7414

Protanomaly

75.7930, 81.1253, 47.2613

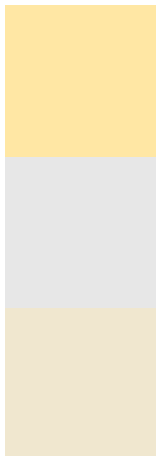
Deuteranomaly

78.4446, 80.9727, 59.6389

Tritanomaly

80.3419, 80.8513, 72.3442

Monochromacy



Original Color

76.5168, 81.0922, 46.7414

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.7736, 80.1821, 70.5145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5168, 81.0922, 46.7414 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, 231, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 164)  
}
```

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, 231, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 164) }
```

Border

The CSS property to change the border of an element to XYZ 76.5168, 81.0922, 46.7414 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, 231, 164) }
```


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

```
.border{ border-color:rgb(255, 231, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5168, 81.0922, 46.7414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 164) }
```

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

```
.background{ background-color: rgb(255,  
231, 164) }
```

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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