

Converting Colors

XYZ(118.9454, 103.0268,
48.4040)

Have a look what the booklet for
XYZ(118.9454, 103.0268, 48.4040)
contains.

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Color

**XYZ(76.4268, 81.0562,
46.2676)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7A3
RGB	255, 231, 163
RGB Percent	100%, 91%, 64%
CMY	0.0000, 0.0941, 0.3608
CMYK	0.00, 0.09, 0.36, 0.00
HSL	44°, 100%, 82%
HSV	44°, 36%, 100%
XYZ	76.4268, 81.0562, 46.2676
YIQ	230.4240, 36.1320, -16.0600

Conversions

Conversions Part 2

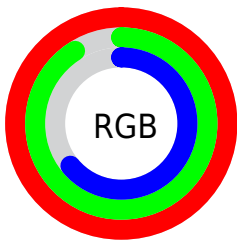
Format	Color
R_{YB}	195, 255, 163
Decimal	16770979
CIE _{Lab}	92.16, -1.24, 36.12
CIE _{LCh}	92, 36.137, 91.971
Yxy	81.0562, 0.3751, 0.3978
Android (android.graphics.Color)	4294961059 (0xFFFFE7A3)
YUV	230.4240, -33.2400, 21.5532
Hunter-Lab	90.0312, -6.0274, 32.5524

Details

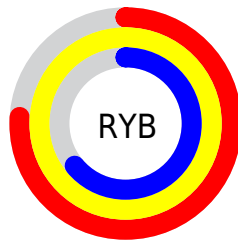
The XYZ color **76.4268, 81.0562, 46.2676** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.9241, 50.5456, 101.6800**, and the grayscale version is **75.7496, 79.6945, 86.7873**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **41.3658, 44.0468, 21.0735** is the 20% darker color. If you saturate the color by 10%, you get **72.5429, 76.5835, 34.8149**, and if you desaturate by 10%, it is **80.8461, 85.8621, 60.1733**.

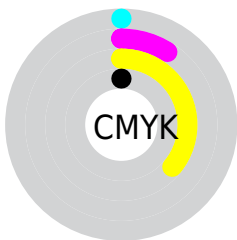
Distribution



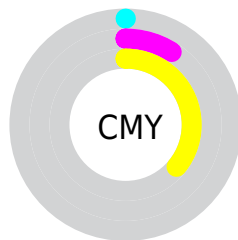
- Red (100%)
- Green (91%)
- Blue (64%)



- 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 76.4268, 81.0562, 46.2676 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 76.4268, 81.0562, 46.2676 by changing the saturation by 10% instead.


 76.4268, 81.0562,
46.2676


 76.4268, 81.0562,
46.2676


471.7294,
498.4852, 388.1922

 57.0808, 60.5879,
32.1069


 127.3072,
134.8497, 85.9578

 41.3105, 43.8927,
21.1776


 159.5723,
168.9436, 112.3244

 28.7505, 30.5861,
13.0614


196.8745,
208.3483, 143.5967

 19.0355, 20.2839,
7.3396

239.5792,
253.4479, 180.1932

 11.8001, 12.6016,
3.5937

288.0516,
304.6271, 222.5324

 6.6789, 7.1548,
1.4052

342.6573,

 3.3067, 3.5591,

362.2701, 271.0330

0.1458

403.7614,
426.7613, 326.1134

■ 1.3179, 1.4301,
0.0000

■ 0.1966, 0.2388,
0.0000

■ 76.4268, 81.0562,
46.2676

■ 76.4268, 81.0562,
46.2676

■ 72.5429, 76.5835,
34.8149

■ 80.8461, 85.8621,
60.1733

■ 69.1599, 72.4201,
25.6632

■ 85.8212, 91.0018,
76.6617

■ 66.2480, 68.5559,
18.6515

■ 91.3784, 96.4899,
95.8592

■ 63.7715, 64.9752,
13.5955

95.0500, 100.0000,
108.9000

■ 61.6888, 61.6601,
10.2797

■ 59.9482, 58.5887,
8.4364

■ 59.3291, 57.4382,
7.9597

Harmonies

Analogous

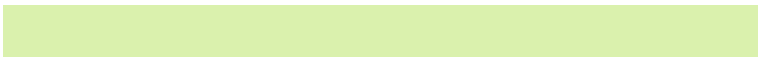
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7707, 81.0562, 50.2707



76.4268, 81.0562, 46.2676



67.9392, 81.0562, 51.4933

Triad

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



76.4268, 81.0562, 46.2676



62.8208, 81.0562, 118.3077



93.9628, 81.0562, 114.6296

Complementary

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



76.4268, 81.0562, 46.2676



50.9241, 50.5456, 101.6800

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.



86.9225, 81.0562, 139.3305



76.4268, 81.0562, 46.2676



68.9256, 81.0562, 141.7374

Square

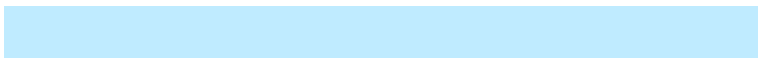
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4268, 81.0562, 46.2676



60.4876, 81.0562, 90.0333



77.6595, 81.0562, 150.1082



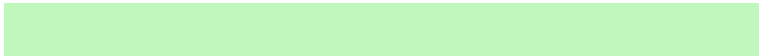
96.3696, 81.0562, 86.5030

Rectangle

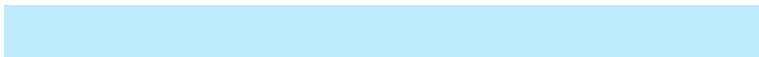
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4268, 81.0562, 46.2676



63.7733, 81.0562, 60.2705



77.6595, 81.0562, 150.1082



92.0331, 81.0562, 123.7897

Sweetspot

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



76.4288, 81.0599, 46.2693



88.5687, 93.7442, 86.0632



63.3646, 51.0660, 53.8316



18.7971, 19.9065, 17.8689



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.



76.4288, 81.0599, 46.2693



73.6839, 77.9272, 38.0877



76.1499, 91.5780, 48.3142



19.1368, 20.2417, 19.0428



31.1285, 30.2682, 4.2017



3.1196, 3.1246, 0.4387

Inverse Universe

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



50.9241, 50.5456, 101.6800



44.9147, 43.5233, 100.6413



51.0271, 43.6635, 100.3462



17.3881, 18.1479, 22.8364



10.5669, 6.0435, 50.0442



1.1130, 0.7567, 4.9007

Previews

White Background



This preview shows how the XYZ color 76.4268, 81.0562, 46.2676 looks on a white background.

Color Contrast Check

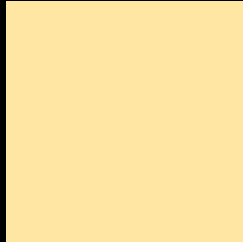
Large Text (above 18pt) WCAG AA × Fail

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 76.4268, 81.0562, 46.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

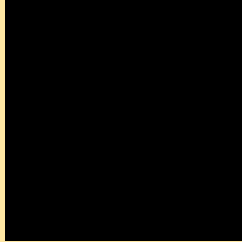
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.4268, 81.0562, 46.2676

Background



This preview shows how black text looks on a background with the XYZ color 76.4268, 81.0562, 46.2676.



This preview shows how white text looks on a background with the XYZ color 76.4268, 81.0562,

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

76.4268, 81.0562, 46.2676

Protanopia

75.3411, 80.9028, 46.7669

Deuteranopia

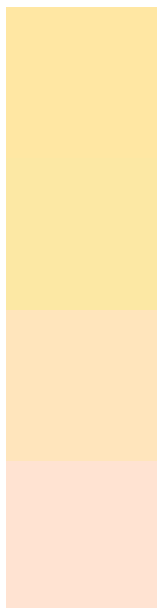
79.7629, 81.0586, 67.9418



Tritanopia

83.4513, 81.2249, 91.4004

Trichromacy



Original Color

76.4268, 81.0562, 46.2676

Protanomaly

75.7023, 81.0890, 46.7838

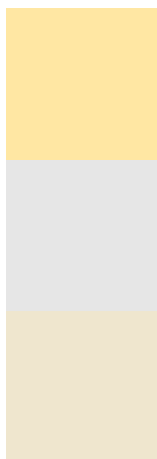
Deuteranomaly

78.3364, 80.9295, 59.0691

Tritanomaly

80.3419, 80.8513, 72.3442

Monochromacy



Original Color

76.4268, 81.0562, 46.2676

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.0340, 79.4006, 69.7636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4268, 81.0562, 46.2676 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 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, 231, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 163) }
```

Border

The CSS property to change the border of an element to XYZ 76.4268, 81.0562, 46.2676 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, 163) }
```


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

```
.border{ border-color:rgb(255, 231, 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, 231, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4268, 81.0562, 46.2676 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, 163) }
```

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

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