

Converting Colors

XYZ(76.7634, 81.6617, 65.3247)

Have a look what the booklet for
XYZ(76.7634, 81.6617, 65.3247)
contains.

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Color

**XYZ(76.6402, 81.5881,
65.1348)**

Conversions

Conversions Part 1

Format	Color
Hex	F4E9C6
RGB	244, 233, 198
RGB Percent	96%, 91%, 78%
CMY	0.0431, 0.0863, 0.2235
CMYK	0.00, 0.05, 0.19, 0.04
HSL	46°, 68%, 87%
HSV	46°, 19%, 96%
XYZ	76.6402, 81.5881, 65.1348
YIQ	232.2990, 17.7910, -8.5530

Conversions

Conversions Part 2

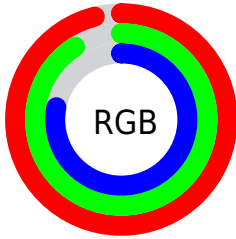
Format	Color
R_{YB}	212, 244, 198
Decimal	16050630
CIE _{Lab}	92.39, -1.83, 18.37
CIE _{LCh}	92, 18.456, 95.685
Yxy	81.5881, 0.3431, 0.3653
Android (android.graphics.Color)	4294240710 (0xFFFF4E9C6)
YUV	232.2990, -16.9094, 10.2618
Hunter-Lab	90.3261, -6.6165, 20.4739

Details

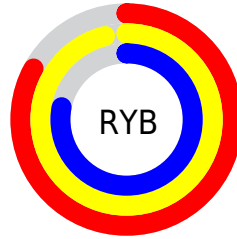
The XYZ color **76.6402, 81.5881, 65.1348** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.4181, 64.1371, 94.6785**, and the grayscale version is **77.0409, 81.0530, 88.2668**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2497, 44.0227, 32.7087** is the 20% darker color. If you saturate the color by 10%, you get **72.4263, 77.3070, 50.9456**, and if you desaturate by 10%, it is **81.3664, 86.1670, 81.7335**.

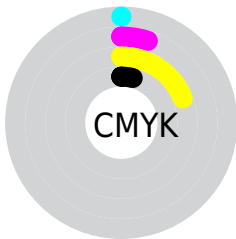
Distribution



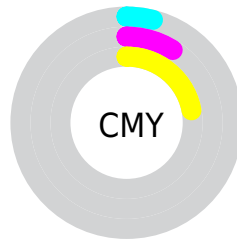
- Red (96%)
- Green (91%)
- Blue (78%)



- Red (83%)
- Yellow (96%)
- Blue (78%)



- Cyan (0%)
- Magenta (5%)
- Yellow (19%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6402, 81.5881, 65.1348 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 76.6402, 81.5881, 65.1348 by changing the saturation by 10% instead.

76.6402, 81.5881,
65.1348

76.6402, 81.5881,
65.1348

472.4472,
500.2689, 461.5957

57.2565, 61.0261,
47.1184

127.6070,
135.5962, 113.8588

41.4522, 44.2462,
32.7742

159.9208,
169.8111, 145.4034

28.8618, 30.8641,
21.6838

197.2754,
209.3457, 182.2944

19.1201, 20.4954,
13.4287

240.0361,
254.5845, 224.9505

11.8616, 12.7557,
7.5902

288.5683,
305.9118, 273.7901

6.7210, 7.2605,
3.7499

343.2373,

3.3330, 3.6256,

363.7120, 329.2318

1.4892

404.4085,
428.3696, 391.6942

■ 1.3322, 1.4664,
0.2098

■ 0.2071, 0.2649,
0.0000

■ 76.6402, 81.5881,
65.1348

■ 76.6402, 81.5881,
65.1348

■ 72.4263, 77.3070,
50.9456

■ 81.3664, 86.1670,
81.7335

■ 68.6962, 73.3030,
39.0465

■ 86.6192, 91.0420,
100.8432

■ 65.4278, 69.5695,
29.3155

■ 89.7005, 95.1372,
108.2433

■ 62.5952, 66.0950,
21.6172

■ 91.1185, 97.9732,
108.7160

■ 60.1691, 62.8671,
15.8011

■ 58.1164, 59.8715,
11.6952

■ 56.3980, 57.0919,
9.0965

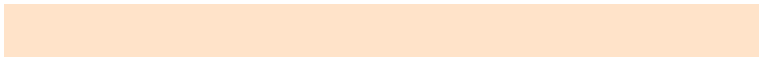
■ 54.9562, 54.5041,
7.7043

■ 54.7998, 54.2158,
7.5764

Harmonies

Analogous

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



81.3929, 81.5881, 66.9444



76.6402, 81.5881, 65.1348



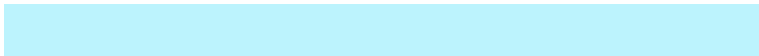
72.3088, 81.5881, 69.1268

Triad

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



76.6402, 81.5881, 65.1348



70.3195, 81.5881, 105.0901



86.2270, 81.5881, 100.1193

Complementary

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



76.6402, 81.5881, 65.1348



62.4181, 64.1371, 94.6785

Split Complementary

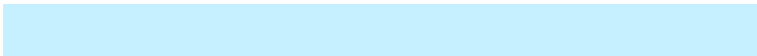
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0324, 81.5881, 111.9740



76.6402, 81.5881, 65.1348



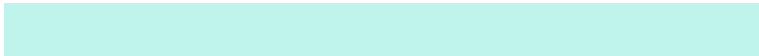
73.8242, 81.5881, 115.0440

Square

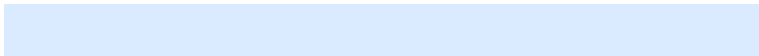
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6402, 81.5881, 65.1348



68.7569, 81.5881, 91.4685



78.4610, 81.5881, 117.6839



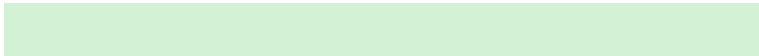
87.0561, 81.5881, 86.2537

Rectangle

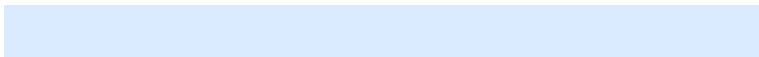
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6402, 81.5881, 65.1348



70.2014, 81.5881, 74.8089



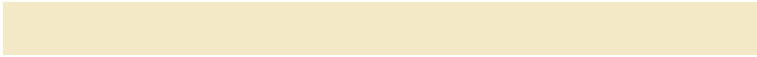
78.4610, 81.5881, 117.6839



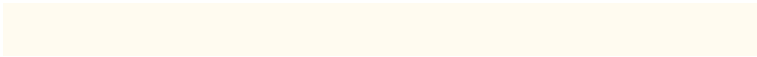
85.3880, 81.5881, 104.5144

Sweetspot

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



76.6424, 81.5917, 65.1365



91.5280, 96.7423, 96.0537



69.0739, 64.2506, 69.4088



19.5115, 20.6325, 20.2733



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.



76.6424, 81.5917, 65.1365



82.6934, 88.1610, 65.0920



75.9858, 86.0189, 66.0257



17.5594, 18.6030, 17.4628



29.9080, 29.7016, 4.1567



2.7073, 2.7679, 0.3916

Inverse Universe

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



62.4181, 64.1371, 94.6785



64.0439, 65.2783, 103.8322



62.9604, 60.5493, 93.9574



15.9027, 16.5697, 20.9027



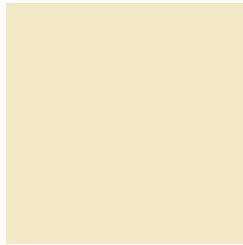
9.7981, 5.3900, 47.0620



0.9377, 0.6267, 4.1618

Previews

White Background



This preview shows how the XYZ color 76.6402, 81.5881, 65.1348 looks on a white background.

Color Contrast Check

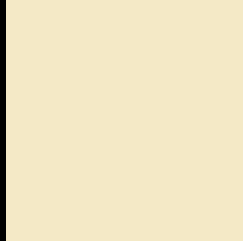
Large Text (above 18pt) WCAG AA × Fail

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 76.6402, 81.5881, 65.1348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

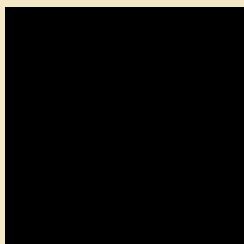
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.6402, 81.5881, 65.1348

Background



This preview shows how black text looks on a background with the XYZ color 76.6402, 81.5881, 65.1348.

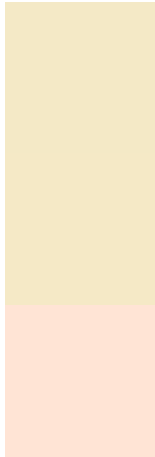


This preview shows how white text looks on a background with the XYZ color 76.6402, 81.5881,

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

76.6402, 81.5881, 65.1348

Protanopia

76.9881, 81.7675, 65.1511

Deuteranopia

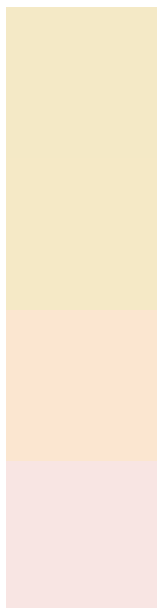
80.9936, 81.5509, 74.4229



Tritanopia

82.9498, 81.2484, 96.8985

Trichromacy



Original Color

76.6402, 81.5881, 65.1348

Protanomaly

76.9881, 81.7675, 65.1511

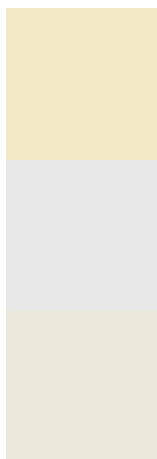
Deuteranomaly

79.4656, 81.6569, 71.2476

Tritanomaly

80.5958, 81.5411, 84.1642

Monochromacy



Original Color

76.6402, 81.5881, 65.1348

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.3670, 80.7134, 79.2644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6402, 81.5881, 65.1348 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(244, 233, 198)` looks like.

```
.text, #text, p{  
    color:rgb(244, 233, 198)  
}
```

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(244, 233, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 233, 198) }
```

Border

The CSS property to change the border of an element to XYZ 76.6402, 81.5881, 65.1348 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(244, 233, 198) }
```


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

```
.border{ border-color:rgb(244, 233, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 233, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 233, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 233, 198);  
box-shadow:4px 4px 4px 4px rgb(244, 233,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6402, 81.5881, 65.1348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 233, 198) }
```

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

```
.background{ background-color: rgb(244,  
233, 198) }
```

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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