

Converting Colors

XYZ(76.6108, 80.7213, 63.7698)

Have a look what the booklet for
XYZ(76.6108, 80.7213, 63.7698)
contains.

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Color

**XYZ(76.5458, 80.7302,
63.7726)**

Conversions

Conversions Part 1

Format	Color
Hex	F6E7C4
RGB	246, 231, 196
RGB Percent	96%, 91%, 77%
CMY	0.0353, 0.0941, 0.2314
CMYK	0.00, 0.06, 0.20, 0.04
HSL	42°, 74%, 87%
HSV	42°, 20%, 96%
XYZ	76.5458, 80.7302, 63.7726
YIQ	231.4950, 20.1750, -7.7050

Conversions

Conversions Part 2

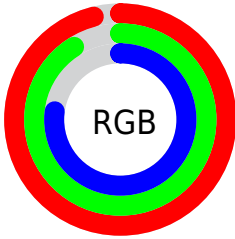
Format	Color
R _Y B	217, 246, 196
Decimal	16181188
CIE Lab	92.01, -0.38, 18.89
CIE LCh	92, 18.895, 91.141
Yxy	80.7302, 0.3463, 0.3652
Android (android.graphics.Color)	4294371268 (0xFFFF6E7C4)
YUV	231.4950, -17.4990, 12.7209
Hunter-Lab	89.8500, -5.1682, 20.8129

Details

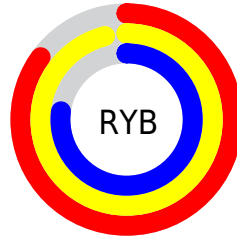
The XYZ color **76.5458, 80.7302, 63.7726** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.6935, 64.9767, 96.4268**, and the grayscale version is **76.4422, 80.4231, 87.5808**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **41.3941, 43.8225, 31.8681** is the 20% darker color. If you saturate the color by 10%, you get **71.9513, 75.6604, 49.5408**, and if you desaturate by 10%, it is **81.6908, 86.1649, 80.4548**.

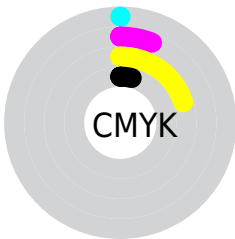
Distribution



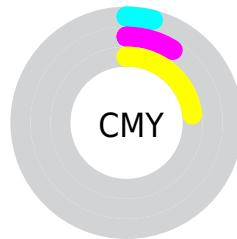
- Red (96%)
- Green (91%)
- Blue (77%)



- Red (85%)
- Yellow (96%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (20%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5458, 80.7302, 63.7726 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 76.5458, 80.7302, 63.7726 by changing the saturation by 10% instead.

76.5458, 80.7302,
63.7726

76.5458, 80.7302,
63.7726

472.1297,
497.3903, 456.5529

57.1788, 60.3194,
46.0215

127.4744,
134.3919, 111.8797

41.3895, 43.6761,
31.9140

159.7667,
168.4115, 143.0728

28.8126, 30.4160,
21.0316

197.0981,
207.7363, 179.5836

19.0827, 20.1545,
12.9556

239.8340,
252.7506, 221.8307

11.8344, 12.5074,
7.2676

288.3398,
303.8387, 270.2327

6.7024, 7.0903,
3.5490

342.9808,

3.3214, 3.5186,

361.3851, 325.2080

1.3814

404.1223,
425.7741, 387.1752

■ 1.3259, 1.4081,
0.1271

■ 0.2025, 0.2227,
0.0000

■ 76.5458, 80.7302,
63.7726

■ 76.5458, 80.7302,
63.7726

■ 71.9513, 75.6604,
49.5408

■ 81.6908, 86.1649,
80.4548

■ 67.8774, 70.9338,
37.6363

■ 87.4018, 91.9642,
99.6922

■ 64.3011, 66.5420,
27.9328

■ 91.2254, 97.1512,
108.5517

■ 61.1946, 62.4722,
20.2899

■ 91.8163, 98.3330,
108.7487

■ 58.5271, 58.7103,
14.5511

■ 56.2635, 55.2405,
10.5370

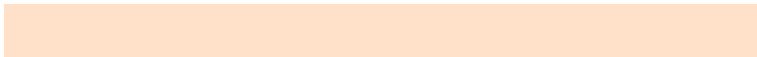
■ 54.3621, 52.0441,
8.0337

■ 52.8017, 49.1838,
6.7105

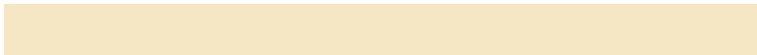
Harmonies

Analogous

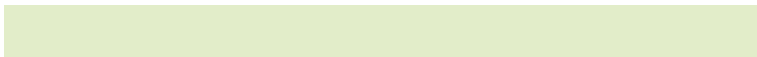
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3298, 80.7302, 66.4889



76.5458, 80.7302, 63.7726



72.0010, 80.7302, 66.9321

Triad

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



76.5458, 80.7302, 63.7726



69.0100, 80.7302, 102.4768



85.2081, 80.7302, 101.4583

Complementary

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



76.5458, 80.7302, 63.7726



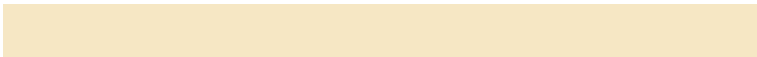
62.6935, 64.9767, 96.4268

Split Complementary

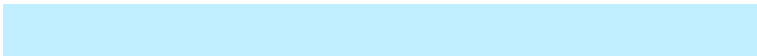
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6651, 80.7302, 112.8483



76.5458, 80.7302, 63.7726



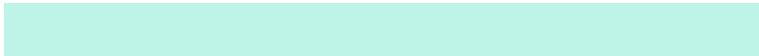
72.3102, 80.7302, 113.4786

Square

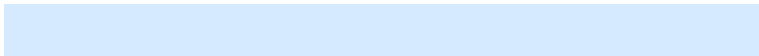
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5458, 80.7302, 63.7726



67.7649, 80.7302, 88.4352



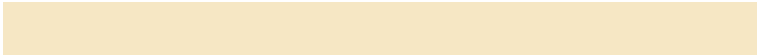
76.9178, 80.7302, 117.4576



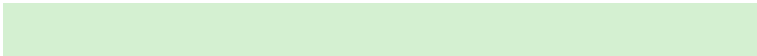
86.4564, 80.7302, 87.3699

Rectangle

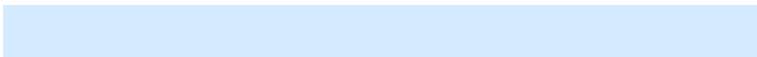
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.5458, 80.7302, 63.7726



69.6843, 80.7302, 72.1604



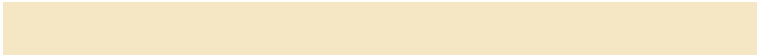
76.9178, 80.7302, 117.4576



84.2388, 80.7302, 105.7798

Sweetspot

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



76.5479, 80.7338, 63.7743



91.2373, 96.1607, 95.9568



69.5047, 63.7769, 70.2759



19.4426, 20.4948, 20.2504



0.0000, 0.0000, 0.0000



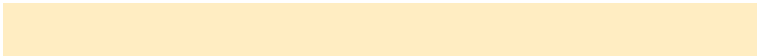
20.3446, 21.4041, 23.3091

Same Dimension

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



76.5479, 80.7338, 63.7743



81.1370, 85.5097, 63.1499



77.5124, 87.7306, 65.0740



17.4706, 18.4254, 17.4332



28.3119, 26.5094, 3.6246



2.5780, 2.5092, 0.3485

Inverse Universe

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



62.6935, 64.9767, 96.4268



63.8288, 65.8268, 103.9494



61.8290, 59.2566, 95.3683



15.9863, 16.7368, 20.9305



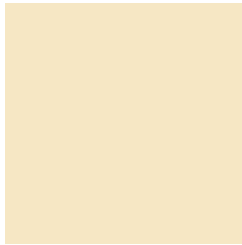
10.2847, 6.3631, 47.2242



0.9901, 0.7316, 4.1793

Previews

White Background



This preview shows how the XYZ color 76.5458, 80.7302, 63.7726 looks on a white background.

Color Contrast Check

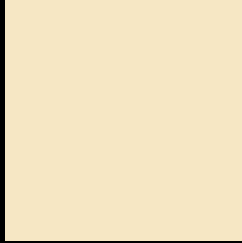
Large Text (above 18pt) WCAG AA × Fail

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 76.5458, 80.7302, 63.7726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

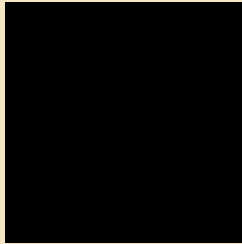
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.5458, 80.7302, 63.7726

Background



This preview shows how black text looks on a background with the XYZ color 76.5458, 80.7302, 63.7726.

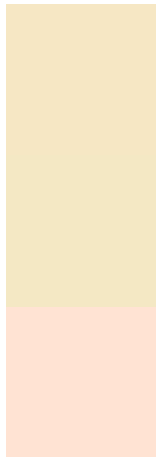


This preview shows how white text looks on a background with the XYZ color 76.5458, 80.7302,

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

76.5458, 80.7302, 63.7726

Protanopia

76.1286, 80.9318, 63.8336

Deuteranopia

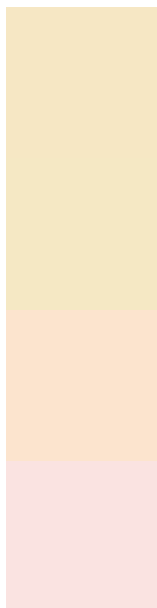
80.4670, 80.9013, 73.0025



Tritanopia

82.8276, 80.4176, 95.1611

Trichromacy



Original Color

76.5458, 80.7302, 63.7726

Protanomaly

76.4766, 81.1112, 63.8498

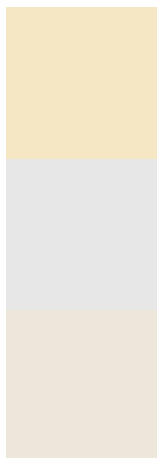
Deuteranomaly

79.0289, 80.6385, 69.7920

Tritanomaly

80.4840, 80.6984, 82.5685

Monochromacy



Original Color

76.5458, 80.7302, 63.7726

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.8229, 80.0467, 77.7839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5458, 80.7302, 63.7726 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(246, 231, 196)` looks like.

```
.text, #text, p{  
    color:rgb(246, 231, 196)  
}
```

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(246, 231, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 231, 196) }
```

Border

The CSS property to change the border of an element to XYZ 76.5458, 80.7302, 63.7726 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(246, 231, 196) }
```


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

```
.border{ border-color:rgb(246, 231, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 231, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 231, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 231, 196);  
box-shadow:4px 4px 4px 4px rgb(246, 231,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5458, 80.7302, 63.7726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 231, 196) }
```

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

```
.background{ background-color: rgb(246,  
231, 196) }
```

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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