

Converting Colors

XYZ(116.7803, 102.1216,
42.7188)

Have a look what the booklet for
XYZ(116.7803, 102.1216, 42.7188)
contains.

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Color

**XYZ(75.4018, 80.6462,
40.8703)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE797
RGB	255, 231, 151
RGB Percent	100%, 91%, 59%
CMY	0.0000, 0.0941, 0.4078
CMYK	0.00, 0.09, 0.41, 0.00
HSL	46°, 100%, 80%
HSV	46°, 41%, 100%
XYZ	75.4018, 80.6462, 40.8703
YIQ	229.0560, 39.9840, -19.7920

Conversions

Conversions Part 2

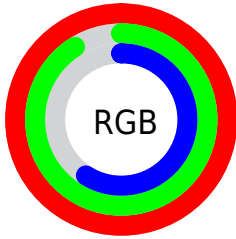
Format	Color
R_{YB}	182, 255, 151
Decimal	16770967
CIE _{Lab}	91.97, -2.54, 41.89
CIE _{LCh}	92, 41.968, 93.475
Yxy	80.6462, 0.3829, 0.4095
Android (android.graphics.Color)	4294961047 (0xFFFFE797)
YUV	229.0560, -38.4816, 22.7529
Hunter-Lab	89.8032, -7.2811, 35.8788

Details

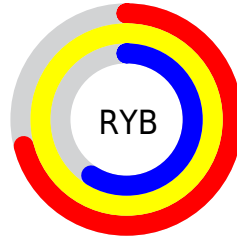
The XYZ color **75.4018, 80.6462, 40.8703** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.1420, 44.4577, 100.7568**, and the grayscale version is **74.7728, 78.6668, 85.6682**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **40.8034, 43.8218, 18.1123** is the 20% darker color. If you saturate the color by 10%, you get **71.9324, 76.6708, 30.5784**, and if you desaturate by 10%, it is **79.3785, 84.9190, 53.5427**.

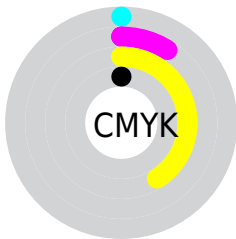
Distribution



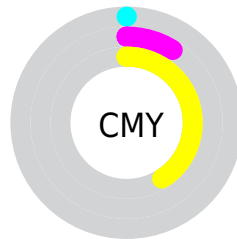
- Red (100%)
- Green (91%)
- Blue (59%)



- Red (71%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (9%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4018, 80.6462, 40.8703 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 75.4018, 80.6462, 40.8703 by changing the saturation by 10% instead.


 75.4018, 80.6462,
40.8703

 75.4018, 80.6462,
40.8703


468.2734,
497.1079, 365.4388

 56.2375, 60.2503,
27.8988


 125.8658,
134.2739, 77.7385

 40.6311, 43.6204,
18.0110


 157.8962,
168.2744, 102.4723

 28.2173, 30.3722,
10.7884


194.9460,
207.5786, 131.9639

 18.6308, 20.1213,
5.8123

237.3806,
252.5708, 166.6320

 11.5063, 12.4832,
2.6644

285.5652,
303.6354, 206.8949

 6.4782, 7.0737,
0.9254

339.8654,

 3.1814, 3.5082,

361.1569, 253.1714

0.0000

400.6463,
425.5196, 305.8798

■ 1.2504, 1.4025,
0.0000

■ 0.1456, 0.2185,
0.0000

■ 75.4018, 80.6462,
40.8703

■ 75.4018, 80.6462,
40.8703

■ 71.9324, 76.6708,
30.5784

■ 79.3785, 84.9190,
53.5427

■ 68.9346, 72.9687,
22.5083

■ 83.8835, 89.4896,
68.7307

■ 66.3772, 69.5297,
16.4898

■ 88.9439, 94.3726,
86.5650

■ 64.2223, 66.3376,
12.3256

■ 94.5830, 99.5781,
107.1659

■ 62.4244, 63.3733, 95.0499, 100.0000,
9.7794 108.9000

■ 61.0180, 60.8161,
8.5227

Harmonies

Analogous

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



86.2904, 80.6462, 44.6712



75.4018, 80.6462, 40.8703



65.7737, 80.6462, 47.0046

Triad

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



75.4018, 80.6462, 40.8703



60.6234, 80.6462, 124.8083



96.7427, 80.6462, 117.0916

Complementary

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



75.4018, 80.6462, 40.8703



46.1420, 44.4577, 100.7568

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.



88.6677, 80.6462, 147.2457



75.4018, 80.6462, 40.8703



67.7591, 80.6462, 152.3849

Square

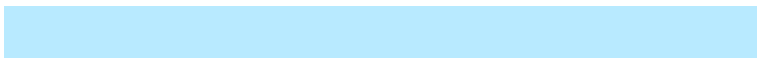
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4018, 80.6462, 40.8703



57.7607, 80.6462, 91.4589



77.9155, 80.6462, 161.4278



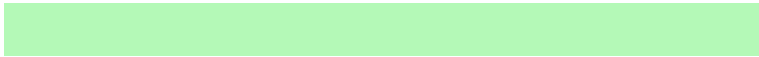
99.2690, 80.6462, 84.2594

Rectangle

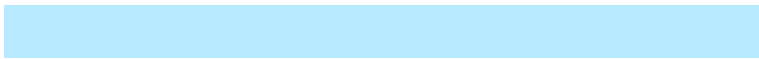
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4018, 80.6462, 40.8703



61.1665, 80.6462, 56.9945



77.9155, 80.6462, 161.4278



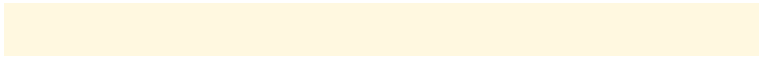
94.5522, 80.6462, 128.1106

Sweetspot

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



75.4038, 80.6499, 40.8720



88.2979, 93.7616, 84.2498



60.0712, 46.4996, 46.5050



18.7529, 19.9295, 17.5105



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.



75.4038, 80.6499, 40.8720



72.5160, 77.3598, 32.2466



73.1089, 90.1287, 42.8225



19.1850, 20.3383, 19.0588



32.0022, 32.0157, 4.4930



3.1982, 3.2818, 0.4649

Inverse Universe

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



46.1420, 44.4577, 100.7568



39.6406, 36.7238, 99.6069



47.6462, 38.9061, 99.6060



17.3430, 18.0576, 22.8213



10.3368, 5.5832, 49.9674



1.0850, 0.7008, 4.8913

Previews

White Background



This preview shows how the XYZ color 75.4018, 80.6462, 40.8703 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 75.4018, 80.6462, 40.8703 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 75.4018, 80.6462, 40.8703

Background



This preview shows how black text looks on a background with the XYZ color 75.4018, 80.6462, 40.8703.

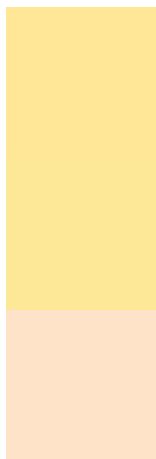


This preview shows how white text looks on a background with the XYZ color 75.4018, 80.6462,

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

75.4018, 80.6462, 40.8703

Protanopia

74.5874, 80.6430, 40.9126

Deuteranopia

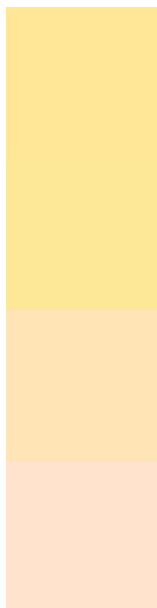
79.1344, 80.3683, 65.9854



Tritanopia

83.0360, 80.6274, 90.5431

Trichromacy



Original Color

75.4018, 80.6462, 40.8703

Protanomaly

74.9505, 80.8302, 40.9296

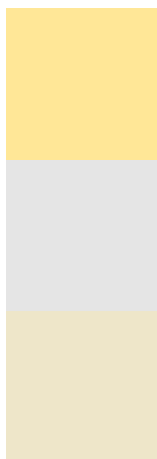
Deuteranomaly

77.4269, 80.1242, 55.6407

Tritanomaly

79.7285, 80.6059, 69.1140

Monochromacy



Original Color

75.4018, 80.6462, 40.8703

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.0993, 78.9878, 66.5991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4018, 80.6462, 40.8703 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 151) }
```

Border

The CSS property to change the border of an element to XYZ 75.4018, 80.6462, 40.8703 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, 151) }
```


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

```
.border{ border-color:rgb(255, 231, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4018, 80.6462, 40.8703 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, 151) }
```

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

```
.background{ background-color: rgb(255,  
231, 151) }
```

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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