

Converting Colors

XYZ(77.6375, 80.7019, 55.2281)

Have a look what the booklet for
XYZ(77.6375, 80.7019, 55.2281)
contains.

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Color

**XYZ(77.5998, 80.6348,
55.1902)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5B5
RGB	255, 229, 181
RGB Percent	100%, 90%, 71%
CMY	0.0000, 0.1019, 0.2902
CMYK	0.00, 0.10, 0.29, 0.00
HSL	39°, 100%, 85%
HSV	39°, 29%, 100%
XYZ	77.5998, 80.6348, 55.1902
YIQ	231.3020, 30.9040, -9.4160

Conversions

Conversions Part 2

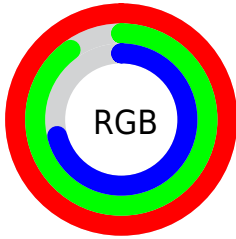
Format	Color
R_{YB}	221, 255, 181
Decimal	16770485
CIE _{Lab}	91.97, 1.93, 26.69
CIE _{LCh}	92, 26.759, 85.858
Y _{xy}	80.6348, 0.3636, 0.3778
Android (android.graphics.Color)	4294960565 (0xFFFFE5B5)
YUV	231.3020, -24.7989, 20.7831
Hunter-Lab	89.7969, -2.8901, 26.4175

Details

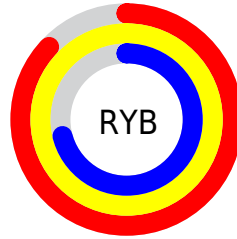
The XYZ color **77.5998, 80.6348, 55.1902** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.4183, 61.6675, 103.3791**, and the grayscale version is **76.3451, 80.3210, 87.4696**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **42.0583, 43.7009, 26.6405** is the 20% darker color. If you saturate the color by 10%, you get **72.8047, 74.8555, 41.8432**, and if you desaturate by 10%, it is **83.0057, 86.8687, 71.1053**.

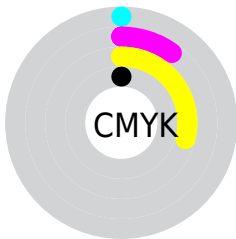
Distribution



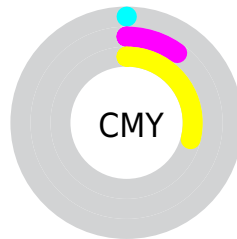
- Red (100%)
- Green (90%)
- Blue (71%)



- Red (87%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (10%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.5998, 80.6348, 55.1902 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 77.5998, 80.6348, 55.1902 by changing the saturation by 10% instead.


 77.5998, 80.6348,
55.1902

 77.5998, 80.6348,
55.1902


475.6673,
497.0696, 423.9348

 58.0469, 60.2409,
39.1544


 128.9542,
134.2579, 99.2935

 42.0898, 43.6128,
26.5711


161.4864,
168.2558, 128.1981

 29.3630, 30.3662,
17.0218


199.0757,
207.5571, 162.2294

 19.5013, 20.1167,
10.0879

242.0876,
252.5464, 201.8059

 12.1392, 12.4799,
5.3509

290.8873,
303.6078, 247.3461

 6.9114, 7.0714,
2.3923

345.8403,

 3.4526, 3.5068,

361.1259, 299.2686

0.7822

407.3118,
425.4850, 357.9920

■ 1.3974, 1.4017,
0.0000

■ 0.2544, 0.2180,
0.0000

■ 77.5998, 80.6348,
55.1902

■ 77.5998, 80.6348,
55.1902

■ 72.8047, 74.8555,
41.8432

■ 83.0057, 86.8687,
71.1053

■ 68.5864, 69.5057,
30.9209

■ 89.0425, 93.5598,
89.7112

■ 64.9162, 64.5736,
22.2733

95.0500, 100.0000,
108.9000

■ 61.7603, 60.0425,
15.7318

■ 59.0802, 55.8936,
11.1037

■ 56.8305, 52.1056,
8.1608

■ 54.9452, 48.6485,
6.5660

■ 54.7719, 48.3238,
6.4406

Harmonies

Analogous

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



84.3027, 80.6348, 60.0417



77.5998, 80.6348, 55.1902



71.0185, 80.6348, 57.9439

Triad

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



77.5998, 80.6348, 55.1902



65.3493, 80.6348, 105.3675



88.1116, 80.6348, 110.8077

Complementary

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



77.5998, 80.6348, 55.1902



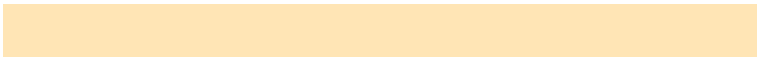
59.4183, 61.6675, 103.3791

Split Complementary

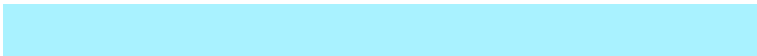
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5526, 80.6348, 126.4656



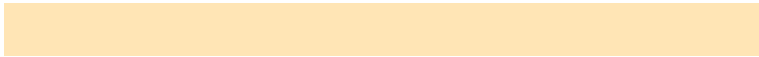
77.5998, 80.6348, 55.1902



69.4581, 80.6348, 123.0096

Square

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



77.5998, 80.6348, 55.1902



64.1970, 80.6348, 85.0912



75.6900, 80.6348, 131.2331



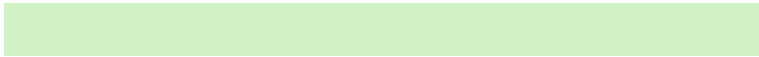
90.5972, 80.6348, 90.5608

Rectangle

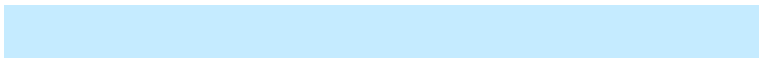
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5998, 80.6348, 55.1902



67.5400, 80.6348, 63.9810



75.6900, 80.6348, 131.2331



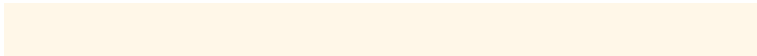
86.5248, 80.6348, 116.8937

Sweetspot

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



77.6018, 80.6384, 55.1919



89.0545, 93.5728, 89.7489



69.1660, 58.8693, 67.4788



18.8647, 19.8138, 18.5935



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

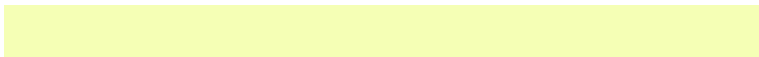
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6018, 80.6384, 55.1919



74.6614, 77.1267, 46.9081



81.8035, 94.2928, 57.6060



18.9928, 19.9538, 18.9948



28.7650, 25.5413, 3.4139



2.9034, 2.6923, 0.3666

Inverse Universe

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



59.4183, 61.6675, 103.3791



53.7128, 55.2785, 102.4466



56.0271, 51.3279, 101.5621



17.5249, 18.4215, 22.8820



11.4495, 7.8085, 50.3383



1.2128, 0.9563, 4.9339

Previews

White Background



This preview shows how the XYZ color 77.5998, 80.6348, 55.1902 looks on a white background.

Color Contrast Check

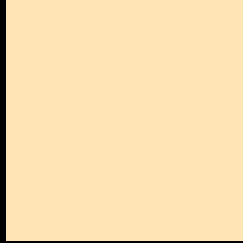
Large Text (above 18pt) WCAG AA × Fail

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 77.5998, 80.6348, 55.1902 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 77.5998, 80.6348, 55.1902

Background



This preview shows how black text looks on a background with the XYZ color 77.5998, 80.6348, 55.1902.



This preview shows how white text looks on a background with the XYZ color 77.5998, 80.6348,

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

77.5998, 80.6348, 55.1902

Protanopia

75.6579, 80.8648, 55.8768

Deuteranopia

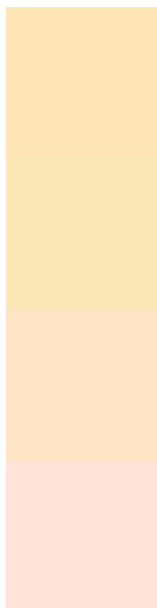
79.8497, 80.6544, 69.7518



Tritanopia

83.1817, 80.6857, 91.3105

Trichromacy



Original Color

77.5998, 80.6348, 55.1902

Protanomaly

76.4438, 80.8532, 55.8332

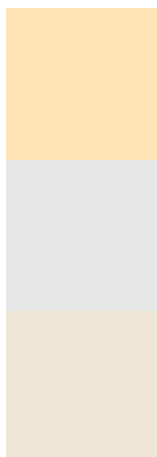
Deuteranomaly

79.0614, 80.7780, 64.2481

Tritanomaly

80.9607, 80.6625, 76.9480

Monochromacy



Original Color

77.5998, 80.6348, 55.1902

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.2422, 79.9230, 74.3591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5998, 80.6348, 55.1902 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, 229, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 181)  
}
```

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, 229, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 181) }
```

Border

The CSS property to change the border of an element to XYZ 77.5998, 80.6348, 55.1902 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, 229, 181) }
```


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

```
.border{ border-color:rgb(255, 229, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5998, 80.6348, 55.1902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 181) }
```

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

```
.background{ background-color: rgb(255,  
229, 181) }
```

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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