

Converting Colors

XYZ(77.4875, 81.6228, 51.4173)

Have a look what the booklet for
XYZ(77.4875, 81.6228, 51.4173)
contains.

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Color

**XYZ(77.3587, 81.4290,
51.1753)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7AD
RGB	255, 231, 173
RGB Percent	100%, 91%, 68%
CMY	0.0000, 0.0941, 0.3216
CMYK	0.00, 0.09, 0.32, 0.00
HSL	42°, 100%, 84%
HSV	42°, 32%, 100%
XYZ	77.3587, 81.4290, 51.1753
YIQ	231.5640, 32.9220, -12.9500

Conversions

Conversions Part 2

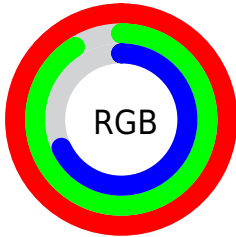
Format	Color
R_{YB}	207, 255, 173
Decimal	16770989
CIE _{Lab}	92.32, -0.07, 31.26
CIE _{LCh}	92, 31.263, 90.137
Yxy	81.4290, 0.3684, 0.3878
Android (android.graphics.Color)	4294961069 (0xFFFFE7AD)
YUV	231.5640, -28.8721, 20.5534
Hunter-Lab	90.2380, -4.8931, 29.5424

Details

The XYZ color **77.3587, 81.4290, 51.1753** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.2493, 56.0349, 102.5116**, and the grayscale version is **76.5693, 80.5568, 87.7264**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **41.9415, 44.2771, 24.1051** is the 20% darker color. If you saturate the color by 10%, you get **73.0795, 76.4495, 38.7153**, and if you desaturate by 10%, it is **82.2021, 86.7825, 66.1484**.

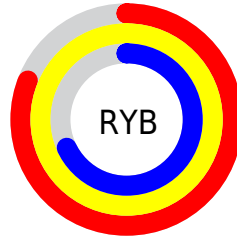
Distribution



Red (100%)

Green (91%)

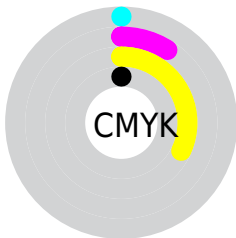
Blue (68%)



Red (81%)

Yellow (100%)

Blue (68%)

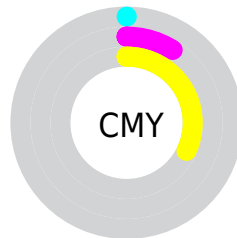


Cyan (0%)

Magenta (9%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.3587, 81.4290, 51.1753 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 77.3587, 81.4290, 51.1753 by changing the saturation by 10% instead.


 77.3587, 81.4290,
51.1753

 77.3587, 81.4290,
51.1753


474.8594,
499.7357, 408.1105

 57.8483, 60.8950,
35.9704


 128.6159,
135.3730, 93.3280

 41.9295, 44.1404,
24.1219


161.0933,
169.5517, 121.1129

 29.2369, 30.7809,
15.2110


198.6238,
209.0475, 153.9283

 19.4053, 20.4321,
8.8193

241.5727,
254.2447, 192.1926

 12.0693, 12.7095,
4.5283

290.3053,
305.5277, 236.3244

 6.8634, 7.2288,
1.9194

345.1871,

 3.4224, 3.6056,

363.2810, 286.7423

0.5051

406.5833,
427.8888, 343.8648

■ 1.3809, 1.4555,
0.0000

■ 0.2425, 0.2571,
0.0000

■ 77.3587, 81.4290,
51.1753

■ 77.3587, 81.4290,
51.1753

■ 73.0795, 76.4495,
38.7153

■ 82.2021, 86.7825,
66.1484

■ 69.3302, 71.8197,
28.6216

■ 87.6292, 92.5107,
83.7603

■ 66.0823, 67.5295,
20.7395

■ 93.6662, 98.6288,
104.1342

■ 63.3014, 63.5631,
14.8942

95.0500, 100.0000,
108.9000

■ 60.9482, 59.9030,
10.8837

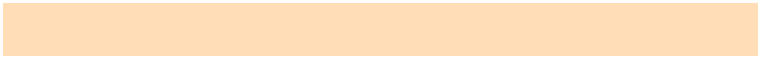
■ 58.9752, 56.5284,
8.4647

■ 57.6390, 54.0580,
7.3963

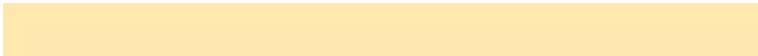
Harmonies

Analogous

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



85.3979, 81.4290, 55.3840



77.3587, 81.4290, 51.1753



69.8498, 81.4290, 55.4618

Triad

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



77.3587, 81.4290, 51.1753



64.7142, 81.4290, 112.9478



91.6761, 81.4290, 112.7316

Complementary

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



77.3587, 81.4290, 51.1753



55.2493, 56.0349, 102.5116

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.



85.4666, 81.4290, 133.0116



77.3587, 81.4290, 51.1753



69.9099, 81.4290, 133.1510

Square

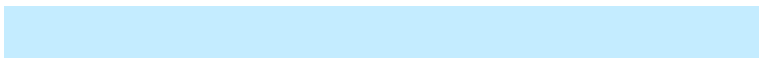
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3587, 81.4290, 51.1753



62.8670, 81.4290, 88.7687



77.4330, 81.4290, 141.0554



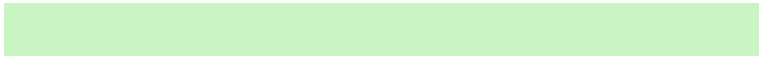
94.0066, 81.4290, 88.5560

Rectangle

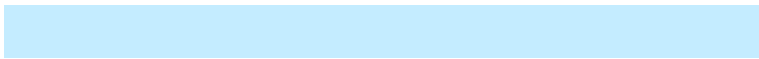
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3587, 81.4290, 51.1753



66.0654, 81.4290, 63.0766



77.4330, 81.4290, 141.0554



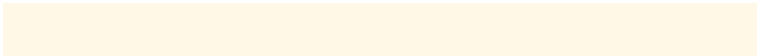
89.9529, 81.4290, 120.3719

Sweetspot

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



77.3608, 81.4327, 51.1770



88.8785, 93.7965, 87.9154



66.3311, 55.2068, 60.3453



18.8487, 19.8965, 18.2347



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

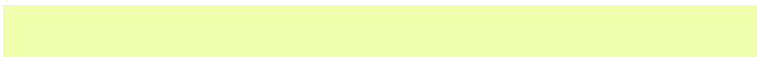
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3608, 81.4327, 51.1770



74.3719, 77.9834, 42.3856



78.7648, 92.8184, 53.3006



19.0860, 20.1401, 19.0258



30.2531, 28.5174, 3.9099



3.0402, 2.9657, 0.4122

Inverse Universe

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



55.2493, 56.0349, 102.5116



48.9492, 48.7948, 101.4462



54.0800, 47.9782, 101.0181



17.4360, 18.2437, 22.8524



10.8438, 6.5972, 50.1364



1.1454, 0.8214, 4.9115

Previews

White Background



This preview shows how the XYZ color 77.3587, 81.4290, 51.1753 looks on a white background.

Color Contrast Check

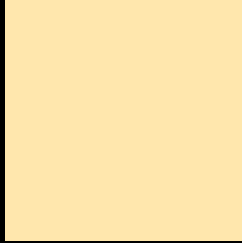
Large Text (above 18pt) WCAG AA × Fail

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 77.3587, 81.4290, 51.1753 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 77.3587, 81.4290, 51.1753

Background



This preview shows how black text looks on a background with the XYZ color 77.3587, 81.4290, 51.1753.



This preview shows how white text looks on a background with the XYZ color 77.3587, 81.4290,

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

77.3587, 81.4290, 51.1753

Protanopia

76.2032, 81.6578, 51.7896

Deuteranopia

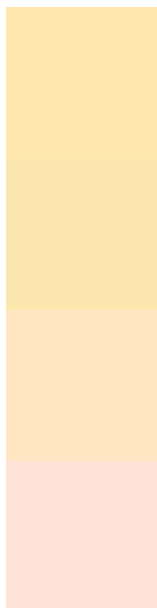
80.1240, 81.2030, 69.8433



Tritanopia

83.5978, 81.2835, 92.1721

Trichromacy



Original Color

77.3587, 81.4290, 51.1753

Protanomaly

76.6415, 81.4647, 51.7292

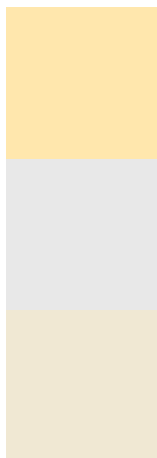
Deuteranomaly

78.9969, 81.1937, 62.5473

Tritanomaly

80.8467, 81.0532, 75.0021

Monochromacy



Original Color

77.3587, 81.4290, 51.1753

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.5497, 80.9416, 73.2167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3587, 81.4290, 51.1753 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 173) }
```

Border

The CSS property to change the border of an element to XYZ 77.3587, 81.4290, 51.1753 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, 173) }
```


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

```
.border{ border-color:rgb(255, 231, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3587, 81.4290, 51.1753 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, 173) }
```

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

```
.background{ background-color: rgb(255,  
231, 173) }
```

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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