

Converting Colors

XYZ(87.1591, 83.9727, 47.7696)

Have a look what the booklet for
XYZ(87.1591, 83.9727, 47.7696)
contains.

XYZ(75.0481, 77.8636, 47.1501)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.0481, 77.8636,
47.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE1A6
RGB	255, 225, 166
RGB Percent	100%, 88%, 65%
CMY	0.0000, 0.1176, 0.3490
CMYK	0.00, 0.12, 0.35, 0.00
HSL	40°, 100%, 83%
HSV	40°, 35%, 100%
XYZ	75.0481, 77.8636, 47.1501
YIQ	227.2440, 36.8190, -11.9890

Conversions

Conversions Part 2

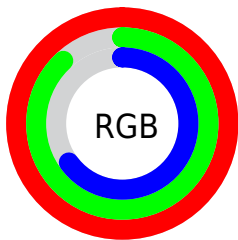
Format	Color
R_{YB}	211, 255, 166
Decimal	16769446
CIE _{Lab}	90.72, 2.15, 32.68
CIE _{LCh}	91, 32.755, 86.242
Yxy	77.8636, 0.3751, 0.3892
Android (android.graphics.Color)	4294959526 (0xFFFFE1A6)
YUV	227.2440, -30.1933, 24.3420
Hunter-Lab	88.2404, -2.6070, 30.0874

Details

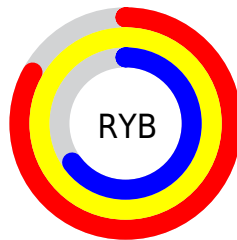
The XYZ color **75.0481, 77.8636, 47.1501** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.5152, 54.8050, 102.3655**, and the grayscale version is **73.3871, 77.2089, 84.0805**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **40.3813, 41.8120, 21.5650** is the 20% darker color. If you saturate the color by 10%, you get **70.6724, 72.4918, 35.2730**, and if you desaturate by 10%, it is **80.0085, 83.6620, 61.5119**.

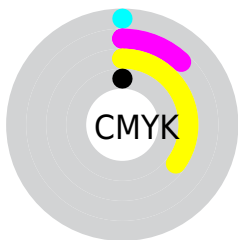
Distribution



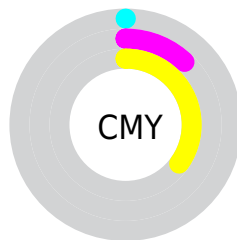
- Red (100%)
- Green (88%)
- Blue (65%)



- Red (83%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (12%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0481, 77.8636, 47.1501 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 75.0481, 77.8636, 47.1501 by changing the saturation by 10% instead.


 75.0481, 77.8636,
47.1501


 75.0481, 77.8636,
47.1501


467.0775,
487.7035, 391.8244

 55.9466, 57.9619,
32.7991


 125.3680,
130.3578, 87.2900

 40.3970, 41.7780,
21.7028


 157.3171,
163.7192, 113.9159

 28.0338, 28.9275,
13.4424

194.2795,
202.3359, 145.4707

 18.4917, 19.0260,
7.5996

236.6204,
246.5923, 182.3727

 11.4054, 11.6891,
3.7558

284.7054,
296.8729, 225.0405

 6.4095, 6.5323,
1.4923

338.8996,

 3.1387, 3.1714,

353.5620, 273.8927

0.2122

399.5686,
417.0441, 329.3479

■ 1.2275, 1.2219,
0.0000

■ 0.1279, 0.0794,
0.0000

■ 75.0481, 77.8636,
47.1501

■ 75.0481, 77.8636,
47.1501

■ 70.6724, 72.4918,
35.2730

■ 80.0085, 83.6620,
61.5119

■ 66.8463, 67.5213,
25.7300

■ 85.5746, 89.8897,
78.4872

■ 63.5396, 62.9402,
18.3619

■ 91.7735, 96.5630,
98.2018

■ 60.7159, 58.7312,
12.9870

95.0500, 100.0000,
108.9000

■ 58.3336, 54.8744,
9.3938

■ 56.3414, 51.3466,
7.3222

■ 55.4394, 49.6589,
6.6632

Harmonies

Analogous

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



83.1445, 77.8636, 52.4330



75.0481, 77.8636, 47.1501



67.2343, 77.8636, 50.3082

Triad

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



75.0481, 77.8636, 47.1501



60.7131, 77.8636, 106.4177



87.9447, 77.8636, 112.5118

Complementary

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



75.0481, 77.8636, 47.1501



53.5152, 54.8050, 102.3655

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.



81.2199, 77.8636, 132.2215



75.0481, 77.8636, 47.1501



65.5647, 77.8636, 128.2704

Square

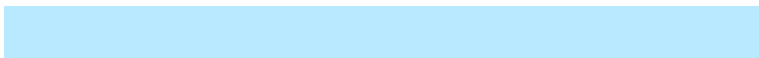
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0481, 77.8636, 47.1501



59.3256, 77.8636, 81.8470



72.9756, 77.8636, 138.4620



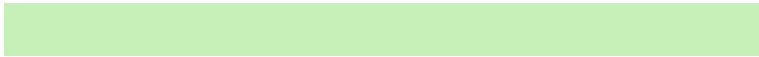
90.9303, 77.8636, 87.7827

Rectangle

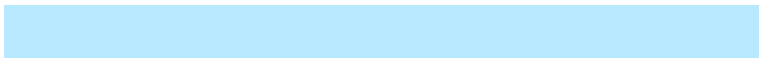
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0481, 77.8636, 47.1501



63.1654, 77.8636, 57.1625



72.9756, 77.8636, 138.4620



86.0233, 77.8636, 120.1091

Sweetspot

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



75.0501, 77.8672, 47.1517



88.5322, 93.1040, 87.8000



64.9720, 52.5713, 59.6372



18.7647, 19.7285, 18.2067



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

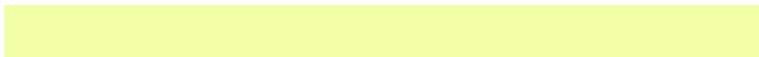
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0501, 77.8672, 47.1517



71.8844, 74.0089, 38.4719



79.1411, 93.0886, 49.8741



19.0154, 19.9989, 19.0023



29.1119, 26.2350, 3.5295



2.9355, 2.7564, 0.3773

Inverse Universe

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



53.5152, 54.8050, 102.3655



47.3839, 47.7851, 101.3338



50.3584, 44.1189, 100.4693



17.5032, 18.3781, 22.8748



11.2906, 7.4908, 50.2854



1.1955, 0.9216, 4.9282

Previews

White Background



This preview shows how the XYZ color 75.0481, 77.8636, 47.1501 looks on a white background.

Color Contrast Check

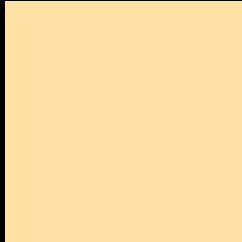
Large Text (above 18pt) WCAG AA × Fail

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 75.0481, 77.8636, 47.1501 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 75.0481, 77.8636, 47.1501

Background



This preview shows how black text looks on a background with the XYZ color 75.0481, 77.8636, 47.1501.



This preview shows how white text looks on a background with the XYZ color 75.0481, 77.8636,

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

75.0481, 77.8636, 47.1501

Protanopia

72.3746, 77.6893, 47.7402

Deuteranopia

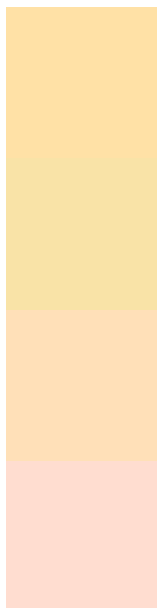
77.3653, 77.9304, 62.0034



Tritanopia

81.1370, 77.7492, 87.0747

Trichromacy



Original Color

75.0481, 77.8636, 47.1501

Protanomaly

73.5111, 77.8679, 47.7148

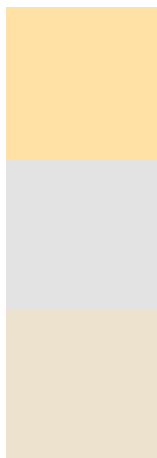
Deuteranomaly

76.5474, 78.0320, 56.3746

Tritanomaly

78.4816, 77.5270, 70.5023

Monochromacy



Original Color

75.0481, 77.8636, 47.1501

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

73.1409, 76.8050, 68.7275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0481, 77.8636, 47.1501 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, 225, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 166)  
}
```

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, 225, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 166) }
```

Border

The CSS property to change the border of an element to XYZ 75.0481, 77.8636, 47.1501 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, 225, 166) }
```


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

```
.border{ border-color:rgb(255, 225, 166) }
```

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

Here you see how a box with a 4 pixel rgb(255, 225, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0481, 77.8636, 47.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 166) }
```

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

```
.background{ background-color: rgb(255,  
225, 166) }
```

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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