

Converting Colors

XYZ(77.3870, 87.3874, 46.4056)

Have a look what the booklet for
XYZ(77.3870, 87.3874, 46.4056)
contains.

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Color

**XYZ(77.1415, 87.0487,
46.4545)**

Conversions

Conversions Part 1

Format	Color
Hex	F7F4A1
RGB	247, 244, 161
RGB Percent	97%, 96%, 63%
CMY	0.0314, 0.0431, 0.3686
CMYK	0.00, 0.01, 0.35, 0.03
HSL	58°, 84%, 80%
HSV	58°, 35%, 97%
XYZ	77.1415, 87.0487, 46.4545
YIQ	235.4350, 28.4310, -25.1770

Conversions

Conversions Part 2

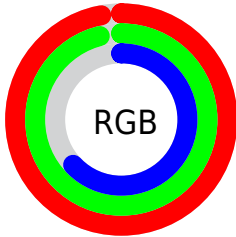
Format	Color
RYB	164, 247, 161
Decimal	16250017
CIELab	94.76, -11.01, 40.40
CIELCh	95, 41.875, 105.251
Yxy	87.0487, 0.3662, 0.4132
Android (android.graphics.Color)	4294440097 (0xFFFF7F4A1)
YUV	235.4350, -36.6965, 10.1425
Hunter-Lab	93.2999, -15.6888, 35.7891

Details

The XYZ color **77.1415, 87.0487, 46.4545** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.7618, 40.8424, 93.5200**, and the grayscale version is **79.5550, 83.6981, 91.1472**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **41.6763, 47.8680, 21.2302** is the 20% darker color. If you saturate the color by 10%, you get **74.9177, 85.7492, 36.0081**, and if you desaturate by 10%, it is **79.8011, 88.5306, 59.1709**.

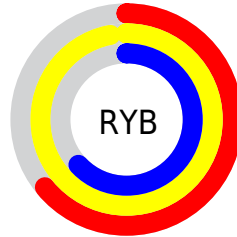
Distribution



Red (97%)

Green (96%)

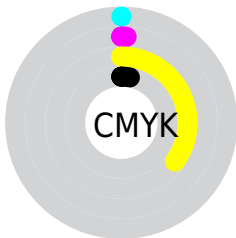
Blue (63%)



Red (64%)

Yellow (97%)

Blue (63%)

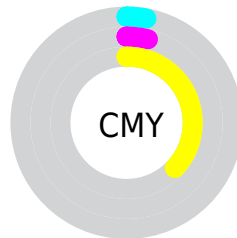


Cyan (0%)

Magenta (1%)

Yellow (35%)

Black (3%)



Cyan (3%)

Magenta (4%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1415, 87.0487, 46.4545 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 77.1415, 87.0487, 46.4545 by changing the saturation by 10% instead.

77.1415, 87.0487,
46.4545

77.1415, 87.0487,
46.4545

474.1309,
518.3829, 388.9634

57.6693, 65.5355,
32.2534

128.3110,
143.2320, 86.2402

41.7851, 47.8954,
21.2887

160.7390,
178.6709, 112.6619

29.1234, 33.7441,
13.1419

198.2164,
219.5205, 143.9942

19.3190, 22.6971,
7.3944

241.1085,
266.1653, 180.6556

12.0064, 14.3700,
3.6278

289.7806,
318.9894, 223.0647

6.8202, 8.3784,
1.4235

344.5982,

3.3953, 4.3380,

378.3775, 271.6400

0.1599

405.9265,
444.7139, 326.8001

■ 1.3661, 1.8644,
0.0000

■ 0.2319, 0.5268,
0.0000

■ 77.1415, 87.0487,
46.4545

■ 77.1415, 87.0487,
46.4545

■ 74.9177, 85.7492,
36.0081

■ 79.8011, 88.5306,
59.1709

■ 73.0979, 84.6101,
27.6922

■ 82.9135, 90.1925,
74.2749

■ 71.6559, 83.6242,
21.3604

■ 86.5024, 92.0469,
91.8827

■ 70.5601, 82.7786,
16.8456

■ 89.8051, 93.7888,
107.9775

■ 69.7736, 82.0586,
13.9533

■ 90.0694, 94.3172,
108.0656

■ 69.2509, 81.4461,
12.4449

■ 90.3348, 94.8481,
108.1541

■ 69.0493, 81.1571,
12.0256

■ 90.6014, 95.3813,
108.2430

■ 90.8693, 95.9171,
108.3323

■ 91.1384, 96.4552,
108.4220

Harmonies

Analogous

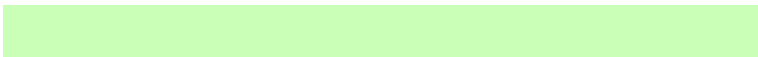
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4047, 87.0487, 46.3668



77.1415, 87.0487, 46.4545



68.2185, 87.0487, 57.3131

Triad

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



77.1415, 87.0487, 46.4545



68.3370, 87.0487, 146.3170



105.6275, 87.0487, 111.5581

Complementary

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



77.1415, 87.0487, 46.4545



44.7618, 40.8424, 93.5200

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.



99.1822, 87.0487, 145.8024



77.1415, 87.0487, 46.4545



77.3172, 87.0487, 168.7685

Square

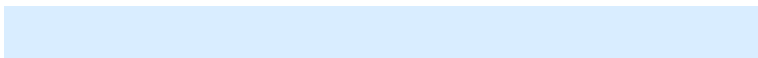
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1415, 87.0487, 46.4545



63.4599, 87.0487, 112.1466



88.5971, 87.0487, 168.5612



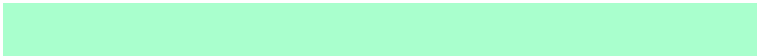
105.5695, 87.0487, 79.3080

Rectangle

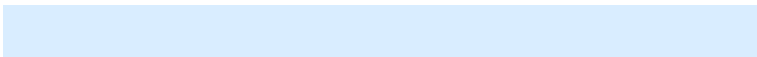
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1415, 87.0487, 46.4545



64.4987, 87.0487, 71.0008



88.5971, 87.0487, 168.5612



104.1256, 87.0487, 123.3544

Sweetspot

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



77.1437, 87.0526, 46.4563



90.9302, 97.9000, 88.5994



57.9223, 47.9925, 41.9524



19.3480, 20.8951, 18.4011



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

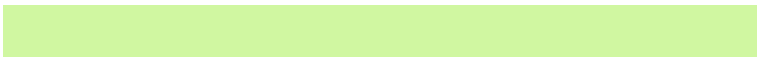
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1437, 87.0526, 46.4563



81.1594, 92.5590, 41.5636



65.7913, 82.5486, 46.1853



17.8623, 19.2088, 17.5638



36.5408, 42.9671, 6.3676



3.2268, 3.8068, 0.5647

Inverse Universe

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



44.7618, 40.8424, 93.5200



41.4127, 35.8427, 99.3434



53.2736, 44.4443, 93.7667



15.6274, 16.0191, 20.8109



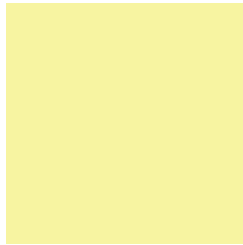
8.9492, 3.6922, 46.7790



0.8025, 0.3565, 4.1167

Previews

White Background



This preview shows how the XYZ color 77.1415, 87.0487, 46.4545 looks on a white background.

Color Contrast Check

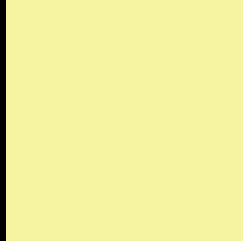
Large Text (above 18pt) WCAG AA × Fail

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 77.1415, 87.0487, 46.4545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

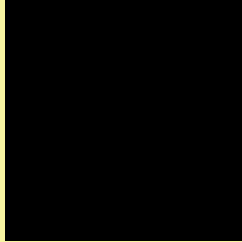
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.1415, 87.0487, 46.4545

Background



This preview shows how black text looks on a background with the XYZ color 77.1415, 87.0487, 46.4545.

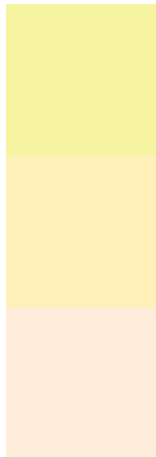


This preview shows how white text looks on a background with the XYZ color 77.1415, 87.0487,

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

77.1415, 87.0487, 46.4545

Protanopia

81.1570, 87.0830, 58.4302

Deuteranopia

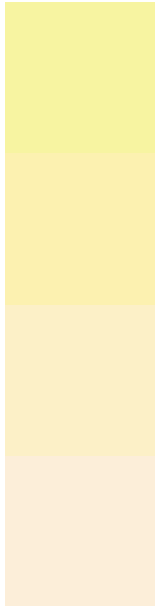
84.4425, 86.9957, 80.0514



Tritanopia

87.7617, 86.9452, 101.7791

Trichromacy



Original Color

77.1415, 87.0487, 46.4545

Protanomaly

79.4367, 86.7406, 53.6302

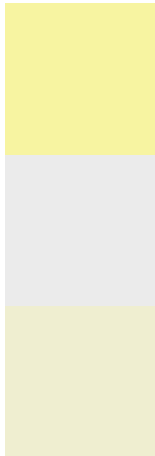
Deuteranomaly

81.6138, 87.1391, 66.5509

Tritanomaly

83.2438, 86.8543, 78.0228

Monochromacy



Original Color

77.1415, 87.0487, 46.4545

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.5563, 84.0539, 71.8109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1415, 87.0487, 46.4545 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(247, 244, 161)` looks like.

```
.text, #text, p{  
    color:rgb(247, 244, 161)  
}
```

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(247, 244, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 244, 161) }
```

Border

The CSS property to change the border of an element to XYZ 77.1415, 87.0487, 46.4545 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(247, 244, 161) }
```


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

```
.border{ border-color:rgb(247, 244, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 244, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 244, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 244, 161); box-shadow:4px 4px 4px 4px rgb(247, 244, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1415, 87.0487, 46.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 244, 161) }
```

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

```
.background{ background-color: rgb(247,  
244, 161) }
```

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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