

Converting Colors

XYZ(87.9666, 84.5159, 48.1387)

Have a look what the booklet for
XYZ(87.9666, 84.5159, 48.1387)
contains.

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Color

**XYZ(75.1403, 77.9004,
47.6352)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE1A7
RGB	255, 225, 167
RGB Percent	100%, 88%, 65%
CMY	0.0000, 0.1176, 0.3451
CMYK	0.00, 0.12, 0.35, 0.00
HSL	40°, 100%, 83%
HSV	40°, 35%, 100%
XYZ	75.1403, 77.9004, 47.6352
YIQ	227.3580, 36.4980, -11.6780

Conversions

Conversions Part 2

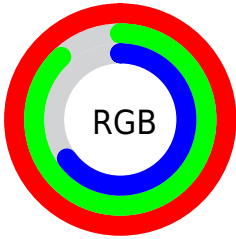
Format	Color
R _Y B	213, 255, 167
Decimal	16769447
CIE Lab	90.73, 2.26, 32.20
CIE LCh	91, 32.276, 85.978
Yxy	77.9004, 0.3744, 0.3882
Android (android.graphics.Color)	4294959527 (0xFFFFE1A7)
YUV	227.3580, -29.7565, 24.2420
Hunter-Lab	88.2612, -2.4929, 29.7836

Details

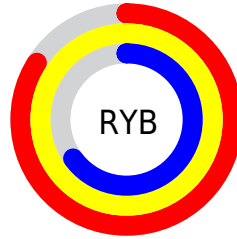
The XYZ color **75.1403, 77.9004, 47.6352** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.9521, 55.3663, 102.4509**, and the grayscale version is **73.4672, 77.2932, 84.1723**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **40.4379, 41.8347, 21.8632** is the 20% darker color. If you saturate the color by 10%, you get **70.7218, 72.4712, 35.6566**, and if you desaturate by 10%, it is **80.1471, 83.7618, 62.1048**.

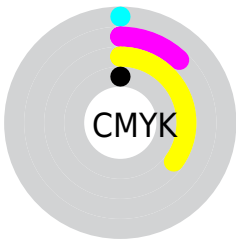
Distribution



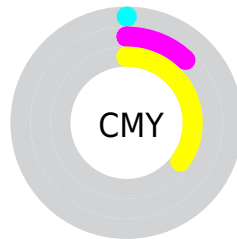
- Red (100%)
- Green (88%)
- Blue (65%)



- Red (84%)
- 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 75.1403, 77.9004, 47.6352 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 75.1403, 77.9004, 47.6352 by changing the saturation by 10% instead.


 75.1403, 77.9004,
47.6352


 75.1403, 77.9004,
47.6352


467.3894,
487.8285, 393.8112

 56.0224, 57.9922,
33.1801


 125.4978,
130.4097, 88.0209

 40.4580, 41.8023,
21.9922


 157.4681,
163.7796, 114.7886

 28.0816, 28.9466,
13.6529


194.4533,
202.4054, 146.4976

 18.5279, 19.0404,
7.7437

236.8187,
246.6717, 183.5665

 11.4317, 11.6995,
3.8460

284.9296,
296.9627, 226.4138

 6.4274, 6.5394,
1.5412

339.1515,

 3.1498, 3.1757,

353.6629, 275.4579

0.2484

399.8496,
417.1567, 331.1176

■ 1.2335, 1.2242,
0.0000

■ 0.1325, 0.0813,
0.0000

■ 75.1403, 77.9004,
47.6352

■ 75.1403, 77.9004,
47.6352

■ 70.7218, 72.4712,
35.6566

■ 80.1471, 83.7618,
62.1048

■ 66.8566, 67.4492,
26.0189

■ 85.7633, 90.0584,
79.1939

■ 63.5146, 62.8222,
18.5636

■ 92.0161, 96.8064,
99.0279

■ 60.6597, 58.5727,
13.1099

95.0500, 100.0000,
108.9000

■ 58.2502, 54.6811,
9.4478

■ 56.2354, 51.1240,
7.3195

■ 55.2582, 49.2964,
6.6027

Harmonies

Analogous

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



83.1078, 77.9004, 52.9466



75.1403, 77.9004, 47.6352



67.4236, 77.9004, 50.6931

Triad

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



75.1403, 77.9004, 47.6352



60.8980, 77.9004, 105.9099



87.7236, 77.9004, 112.3215

Complementary

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



75.1403, 77.9004, 47.6352



53.9521, 55.3663, 102.4509

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.



81.0800, 77.9004, 131.5989



75.1403, 77.9004, 47.6352



65.6607, 77.9004, 127.4485

Square

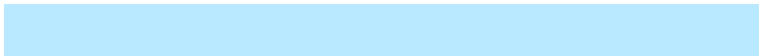
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1403, 77.9004, 47.6352



59.5594, 77.9004, 81.7286



72.9544, 77.9004, 137.5836



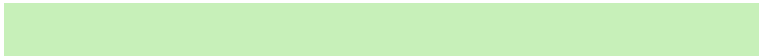
90.7003, 77.9004, 87.9890

Rectangle

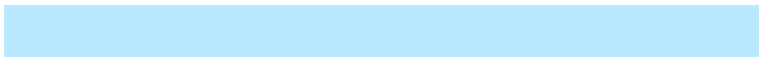
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1403, 77.9004, 47.6352



63.3921, 77.9004, 57.4323



72.9544, 77.9004, 137.5836



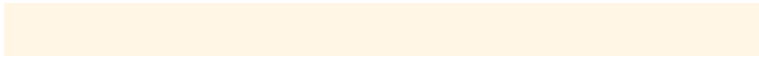
85.8225, 77.9004, 119.7687

Sweetspot

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



75.1422, 77.9039, 47.6368



88.5025, 93.0444, 87.7901



65.2293, 52.9663, 60.0916



18.7574, 19.7140, 18.2042



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

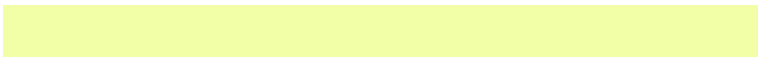
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1422, 77.9039, 47.6368



72.2081, 74.3300, 39.5859



79.2847, 93.1520, 50.3616



19.0093, 19.9868, 19.0003



29.0177, 26.0467, 3.4981



2.9268, 2.7391, 0.3744

Inverse Universe

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



53.9521, 55.3663, 102.4509



48.2876, 48.9006, 101.5015



50.7385, 44.5858, 100.5394



17.5091, 18.3898, 22.8767



11.3325, 7.5747, 50.2994



1.2001, 0.9308, 4.9297

Previews

White Background



This preview shows how the XYZ color 75.1403, 77.9004, 47.6352 looks on a white background.

Color Contrast Check

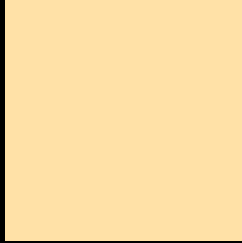
Large Text (above 18pt) WCAG AA × Fail

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 75.1403, 77.9004, 47.6352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

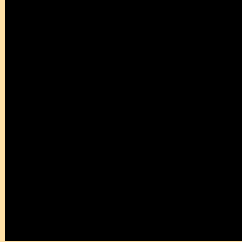
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.1403, 77.9004, 47.6352

Background



This preview shows how black text looks on a background with the XYZ color 75.1403, 77.9004, 47.6352.



This preview shows how white text looks on a background with the XYZ color 75.1403, 77.9004,

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

75.1403, 77.9004, 47.6352

Protanopia

72.4675, 77.7264, 48.2290

Deuteranopia

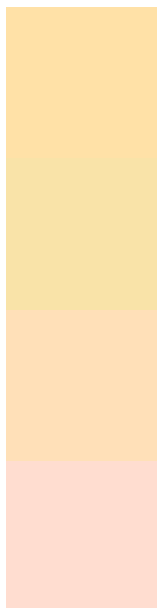
77.3653, 77.9304, 62.0034



Tritanopia

81.1370, 77.7492, 87.0747

Trichromacy



Original Color

75.1403, 77.9004, 47.6352

Protanomaly

73.6039, 77.9051, 48.2036

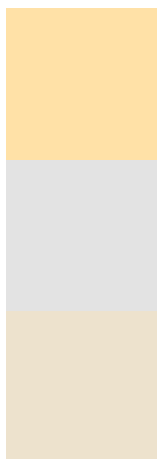
Deuteranomaly

76.5474, 78.0320, 56.3746

Tritanomaly

78.4816, 77.5270, 70.5023

Monochromacy



Original Color

75.1403, 77.9004, 47.6352

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 75.1403, 77.9004, 47.6352 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 167) }
```

Border

The CSS property to change the border of an element to XYZ 75.1403, 77.9004, 47.6352 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, 167) }
```


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

```
.border{ border-color:rgb(255, 225, 167) }
```

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, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1403, 77.9004, 47.6352 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, 167) }
```

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

```
.background{ background-color: rgb(255,  
225, 167) }
```

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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