

# Converting Colors

XYZ(75.4706, 78.7451, 47.1779)

Have a look what the booklet for  
XYZ(75.4706, 78.7451, 47.1779)  
contains.

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# Color

**XYZ(75.5920, 78.9513,  
47.3314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3A6
RGB	255, 227, 166
RGB Percent	100%, 89%, 65%
CMY	0.0000, 0.1098, 0.3490
CMYK	0.00, 0.11, 0.35, 0.00
HSL	41°, 100%, 83%
HSV	41°, 35%, 100%
XYZ	75.5920, 78.9513, 47.3314
YIQ	228.4180, 36.2690, -13.0350

# Conversions

## Conversions Part 2

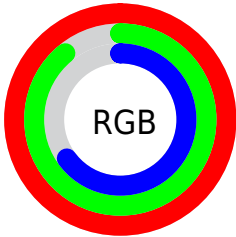
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 255, 166
Decimal	16769958
CIE <sub>Lab</sub>	91.21, 1.13, 33.34
CIE <sub>LCh</sub>	91, 33.363, 88.061
Yxy	78.9513, 0.3745, 0.3911
Android (android.graphics.Color)	4294960038 (0xFFFFE3A6)
YUV	228.4180, -30.7721, 23.3124
Hunter-Lab	88.8545, -3.6386, 30.6153

# Details

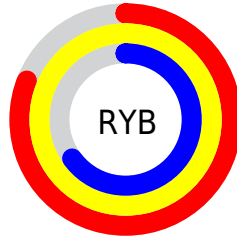
The XYZ color **75.5920, 78.9513, 47.3314** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.0672, 53.9089, 102.2163**, and the grayscale version is **74.2504, 78.1172, 85.0697**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **40.7591, 42.5676, 21.6909** is the 20% darker color. If you saturate the color by 10%, you get **71.3385, 73.8238, 35.4950**, and if you desaturate by 10%, it is **80.4155, 84.4760, 61.6476**.

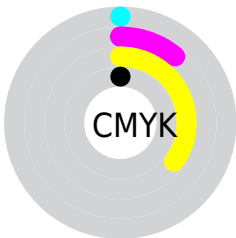
# Distribution



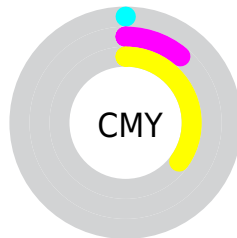
- Red (100%)
- Green (89%)
- Blue (65%)



- Red (81%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (11%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5920, 78.9513, 47.3314 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 75.5920, 78.9513, 47.3314 by changing the saturation by 10% instead.





 75.5920, 78.9513,  
47.3314


 75.5920, 78.9513,  
47.3314


468.9158,  
491.3916, 392.5678

 56.3939, 58.8558,  
32.9415


 126.1334,  
131.8903, 87.5632

 40.7571, 42.4970,  
21.8109


 158.2075,  
165.5026, 114.2423

 28.3161, 29.4907,  
13.5210


195.3042,  
204.3892, 145.8547

 18.7058, 19.4523,  
7.6534

237.7890,  
248.9346, 182.8192

 11.5606, 11.9976,  
3.7894

286.0272,  
299.5231, 225.5542

 6.5153, 6.7420,  
1.5105

340.3842,

 3.2045, 3.3013,

356.5392, 274.4783

0.2257

401.2252,  
420.3672, 330.0099

■ 1.2628, 1.2910,  
0.0000

■ 0.1551, 0.1342,  
0.0000

■ 75.5920, 78.9513,  
47.3314

■ 75.5920, 78.9513,  
47.3314

■ 71.3385, 73.8238,  
35.4950

■ 80.4155, 84.4760,  
61.6476

■ 67.6201, 69.0689,  
25.9880

■ 85.8296, 90.3998,  
78.5723

■ 64.4070, 64.6751,  
18.6511

■ 91.8613, 96.7384,  
98.2312

■ 61.6634, 60.6259,  
13.3028

95.0500, 100.0000,  
108.9000

■ 59.3476, 56.9024,  
9.7318

■ 57.4090, 53.4817,  
7.6781

■ 56.5295, 51.8389,  
7.0265

# Harmonies

## Analogous

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



83.9713, 78.9513, 52.2054



75.5920, 78.9513, 47.3314



67.6520, 78.9513, 51.0844

# Triad

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



75.5920, 78.9513, 47.3314



61.5930, 78.9513, 109.7726



89.6955, 78.9513, 113.0142

# Complementary

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



75.5920, 78.9513, 47.3314



53.0672, 53.9089, 102.2163

# 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.



82.9490, 78.9513, 133.9288



75.5920, 78.9513, 47.3314



66.7671, 78.9513, 131.8238

# Square

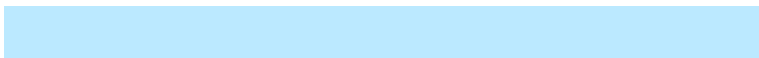
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5920, 78.9513, 47.3314



59.9412, 78.9513, 84.3995



74.4924, 78.9513, 141.3807



92.4845, 78.9513, 87.5488

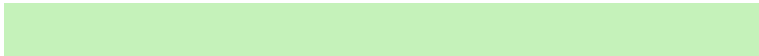


# Rectangle

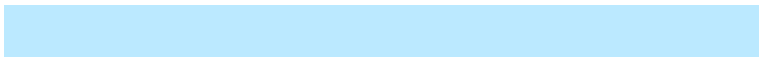
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.5920, 78.9513, 47.3314



63.5887, 78.9513, 58.4574



74.4924, 78.9513, 141.3807



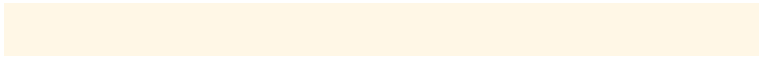
87.7915, 78.9513, 120.9767

# Sweetspot

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



75.5940, 78.9549, 47.3330



88.7072, 93.4539, 87.8583



64.6350, 52.4366, 57.8625



18.8071, 19.8133, 18.2208



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.



75.5940, 78.9549, 47.3330



72.5164, 75.2730, 38.6826



78.1330, 92.5690, 49.8270



19.0510, 20.0703, 19.0142



29.6777, 27.3666, 3.7181



2.9876, 2.8606, 0.3947



# Inverse Universe

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



53.0672, 53.9089, 102.2163



46.8882, 46.7938, 101.1686



51.0533, 44.4771, 100.5019



17.4692, 18.3100, 22.8634



11.0556, 7.0207, 50.2070



1.1694, 0.8695, 4.9195



# Previews

## White Background



This preview shows how the XYZ color 75.5920, 78.9513, 47.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

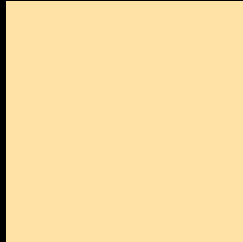
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5920, 78.9513, 47.3314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

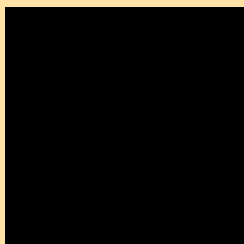
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.5920, 78.9513, 47.3314**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.5920, 78.9513, 47.3314.



This preview shows how white text looks on a background with the XYZ color 75.5920, 78.9513,



# 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

75.5920, 78.9513, 47.3314

### Protanopia

73.6296, 79.1578, 47.9575

### Deuteranopia

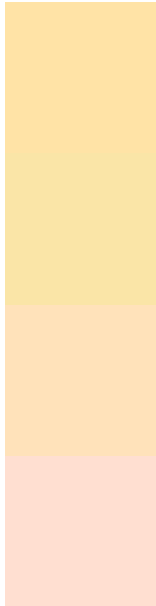
78.2433, 79.1416, 63.9753



## Tritanopia

81.9477, 78.9134, 88.7546

# Trichromacy



## Original Color

75.5920, 78.9513, 47.3314

## Protanomaly

74.4187, 79.1526, 47.9149

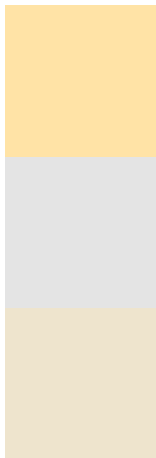
## Deuteranomaly

77.2993, 79.1979, 57.6670

## Tritanomaly

79.1363, 78.6388, 71.3295

# Monochromacy



## Original Color

75.5920, 78.9513, 47.3314

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.0227, 78.0717, 68.9255

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5920, 78.9513, 47.3314 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, 227, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 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, 227, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5920, 78.9513, 47.3314 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, 227, 166) }
```



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

```
.border{ border-color:rgb(255, 227, 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, 227, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5920, 78.9513, 47.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 166) }
```

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

```
.background{ background-color: rgb(255,  
227, 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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