

# Converting Colors

XYZ(102.2693, 92.9060,  
47.7404)

Have a look what the booklet for  
XYZ(102.2693, 92.9060, 47.7404)  
contains.

<b>XYZ(75.4099, 78.8785, 46.3725)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(75.4099, 78.8785,  
46.3725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3A4
RGB	255, 227, 164
RGB Percent	100%, 89%, 64%
CMY	0.0000, 0.1098, 0.3569
CMYK	0.00, 0.11, 0.36, 0.00
HSL	42°, 100%, 82%
HSV	42°, 36%, 100%
XYZ	75.4099, 78.8785, 46.3725
YIQ	228.1900, 36.9110, -13.6570

# Conversions

## Conversions Part 2

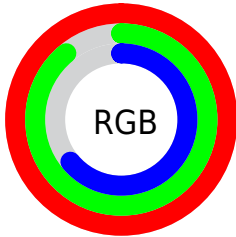
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 255, 164
Decimal	16769956
CIELab	91.18, 0.90, 34.32
CIELCh	91, 34.329, 88.500
Yxy	78.8785, 0.3758, 0.3931
Android (android.graphics.Color)	4294960036 (0xFFFFE3A4)
YUV	228.1900, -31.6457, 23.5124
Hunter-Lab	88.8136, -3.8628, 31.2122

# Details

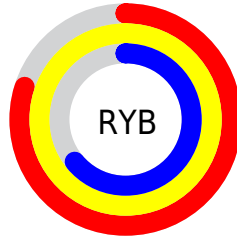
The XYZ color **75.4099, 78.8785, 46.3725** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.2090, 52.8101, 102.0494**, and the grayscale version is **74.0890, 77.9474, 84.8848**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **40.7031, 42.5452, 21.3960** is the 20% darker color. If you saturate the color by 10%, you get **71.2377, 73.8572, 34.7370**, and if you desaturate by 10%, it is **80.1456, 84.2873, 60.4754**.

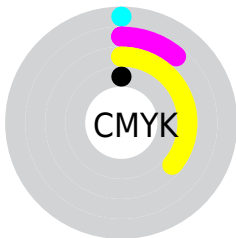
# Distribution



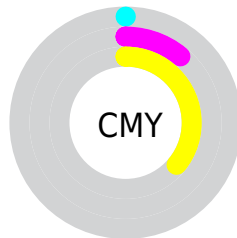
- Red (100%)
- Green (89%)
- Blue (64%)



- Red (80%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (11%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4099, 78.8785, 46.3725 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 75.4099, 78.8785, 46.3725 by changing the saturation by 10% instead.




 75.4099, 78.8785,  
46.3725


 75.4099, 78.8785,  
46.3725


468.3008,  
491.1452, 388.6252

 56.2441, 58.7959,  
32.1891


 125.8772,  
131.7878, 86.1163

 40.6364, 42.4489,  
21.2400


 157.9095,  
165.3833, 112.5139

 28.2215, 29.4529,  
13.1066

194.9613,  
204.2519, 143.8198

 18.6340, 19.4237,  
7.3704

237.3980,  
248.7780, 180.4528

 11.5086, 11.9768,  
3.6129

285.5849,  
299.3460, 222.8312

 6.4798, 6.7279,  
1.4155

339.8875,

 3.1824, 3.2925,

356.3403, 271.3738

0.1537

400.6710,  
420.1452, 326.4989

■ 1.2509, 1.2863,  
0.0000

■ 0.1460, 0.1306,  
0.0000

■ 75.4099, 78.8785,  
46.3725

■ 75.4099, 78.8785,  
46.3725

■ 71.2377, 73.8572,  
34.7370

■ 80.1456, 84.2873,  
60.4754

■ 67.5940, 69.1987,  
25.4175

■ 85.4655, 90.0855,  
77.1752

■ 64.4487, 64.8920,  
18.2534

■ 91.3965, 96.2885,  
96.5981

■ 61.7658, 60.9203,  
13.0611

95.0500, 100.0000,  
108.9000

■ 59.5033, 57.2647,  
9.6266

■ 57.6094, 53.9022,  
7.6845

■ 56.8743, 52.5287,  
7.1415

# Harmonies

## Analogous

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



84.0475, 78.8785, 51.1967



75.4099, 78.8785, 46.3725



67.2762, 78.8785, 50.3145

# Triad

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



75.4099, 78.8785, 46.3725



61.2222, 78.8785, 110.8091



90.1439, 78.8785, 113.4004

# Complementary

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



75.4099, 78.8785, 46.3725



52.2090, 52.8101, 102.0494

# 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.



83.2326, 78.8785, 135.1907



75.4099, 78.8785, 46.3725



66.5738, 78.8785, 133.5027

# Square

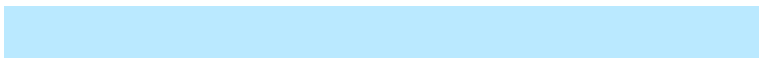
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4099, 78.8785, 46.3725



59.4747, 78.8785, 84.6387



74.5351, 78.8785, 143.1697



92.9508, 78.8785, 87.1441

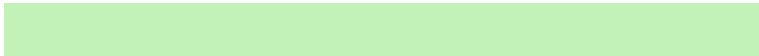


# Rectangle

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



75.4099, 78.8785, 46.3725



63.1380, 78.8785, 57.9131



74.5351, 78.8785, 143.1697



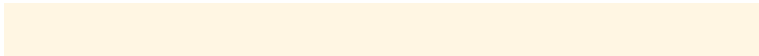
88.1986, 78.8785, 121.6656

# Sweetspot

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



75.4119, 78.8821, 46.3741



88.1670, 92.9408, 85.9293



64.1212, 51.6538, 56.9364



18.7011, 19.7143, 17.8369



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.



75.4119, 78.8821, 46.3741



72.3053, 75.1700, 37.6281



77.8275, 92.4325, 48.8623



19.0620, 20.0923, 19.0178



29.8566, 27.7244, 3.7777



3.0040, 2.8933, 0.4001



# Inverse Universe

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



52.2090, 52.8101, 102.0494



45.9252, 45.5444, 100.9782



50.3081, 43.5574, 100.3636



17.4587, 18.2891, 22.8599



10.9869, 6.8835, 50.1842



1.1617, 0.8540, 4.9169



# Previews

## White Background



This preview shows how the XYZ color 75.4099, 78.8785, 46.3725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

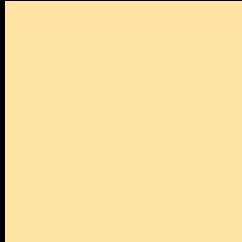
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4099, 78.8785, 46.3725 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 75.4099, 78.8785, 46.3725

## Background



This preview shows how black text looks on a background with the XYZ color 75.4099, 78.8785, 46.3725.



This preview shows how white text looks on a background with the XYZ color 75.4099, 78.8785,



# 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

75.4099, 78.8785, 46.3725

### Protanopia

73.4461, 79.0844, 46.9911

### Deuteranopia

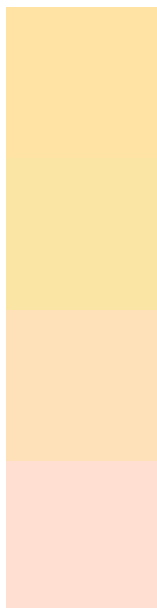
77.9737, 78.6025, 63.8855



## Tritanopia

81.9477, 78.9134, 88.7546

# Trichromacy



## Original Color

75.4099, 78.8785, 46.3725

## Protanomaly

74.2352, 79.0792, 46.9485

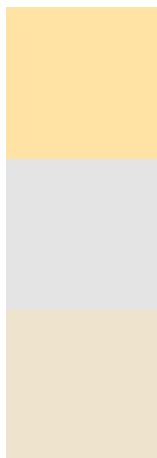
## Deuteranomaly

76.9222, 78.6132, 57.0186

## Tritanomaly

79.1363, 78.6388, 71.3295

# Monochromacy



## Original Color

75.4099, 78.8785, 46.3725

## 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 75.4099, 78.8785, 46.3725 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4099, 78.8785, 46.3725 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, 164) }
```



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

```
.border{ border-color:rgb(255, 227, 164) }
```

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, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4099, 78.8785, 46.3725 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, 164) }
```

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

```
.background{ background-color: rgb(255,  
227, 164) }
```

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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