

# Converting Colors

XYZ(80.6435, 81.5889, 48.4241)

Have a look what the booklet for  
XYZ(80.6435, 81.5889, 48.4241)  
contains.

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# Color

**XYZ(75.7770, 79.0253,  
48.3053)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3A8
RGB	255, 227, 168
RGB Percent	100%, 89%, 66%
CMY	0.0000, 0.1098, 0.3412
CMYK	0.00, 0.11, 0.34, 0.00
HSL	41°, 100%, 83%
HSV	41°, 34%, 100%
XYZ	75.7770, 79.0253, 48.3053
YIQ	228.6460, 35.6270, -12.4130

# Conversions

## Conversions Part 2

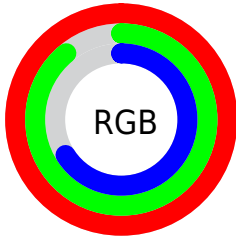
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 255, 168
Decimal	16769960
CIE <sub>Lab</sub>	91.25, 1.36, 32.37
CIE <sub>LCh</sub>	91, 32.398, 87.591
Yxy	79.0253, 0.3731, 0.3891
Android (android.graphics.Color)	4294960040 (0xFFFFE3A8)
YUV	228.6460, -29.8985, 23.1125
Hunter-Lab	88.8962, -3.4111, 30.0097

# Details

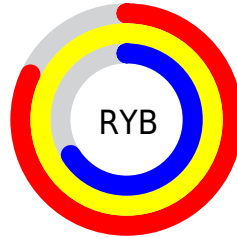
The XYZ color **75.7770, 79.0253, 48.3053** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.9378, 55.0230, 102.3854**, and the grayscale version is **74.4120, 78.2872, 85.2548**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **40.8730, 42.6132, 22.2906** is the 20% darker color. If you saturate the color by 10%, you get **71.4399, 73.7875, 36.2664**, and if you desaturate by 10%, it is **80.6907, 84.6706, 62.8364**.

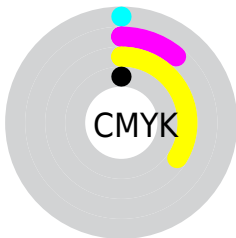
# Distribution



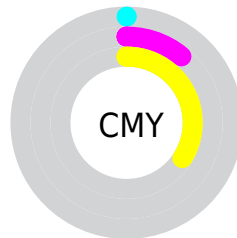
- Red (100%)
- Green (89%)
- Blue (66%)



- Red (82%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (11%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7770, 79.0253, 48.3053 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 75.7770, 79.0253, 48.3053 by changing the saturation by 10% instead.




 75.7770, 79.0253,  
48.3053


 75.7770, 79.0253,  
48.3053

469.5401,  
491.6419, 396.5446

 56.5461, 58.9166,  
33.7070


 126.3937,  
131.9945, 89.0291

 40.8796, 42.5460,  
22.3931


 158.5101,  
165.6238, 115.9916

 28.4123, 29.5291,  
13.9449


195.6525,  
204.5287, 147.9127

 18.7787, 19.4814,  
7.9441

238.1861,  
249.0937, 185.2108

 11.6136, 12.0186,  
3.9719

286.4763,  
299.7031, 228.3045

 6.5514, 6.7564,  
1.6100

340.8885,

 3.2270, 3.3102,

356.7413, 277.6123

0.2979

401.7880,  
420.5928, 333.5528

■ 1.2749, 1.2958,  
0.0000

■ 0.1643, 0.1379,  
0.0000

■ 75.7770, 79.0253,  
48.3053

■ 75.7770, 79.0253,  
48.3053

■ 71.4399, 73.7875,  
36.2664

■ 80.6907, 84.6706,  
62.8364

■ 67.6450, 68.9324,  
26.5703

■ 86.2019, 90.7255,  
79.9877

■ 64.3624, 64.4487,  
19.0590

■ 92.3373, 97.2058,  
99.8841

■ 61.5565, 60.3196,  
13.5530

95.0500, 100.0000,  
108.9000

■ 59.1863, 56.5261,  
9.8437

■ 57.2019, 53.0458,  
7.6760

■ 56.1736, 51.1271,  
6.9079

# Harmonies

## Analogous

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



83.8974, 79.0253, 53.2308



75.7770, 79.0253, 48.3053



68.0316, 79.0253, 51.8623

# Triad

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



75.7770, 79.0253, 48.3053



61.9659, 79.0253, 108.7390



89.2484, 79.0253, 112.6338

# Complementary

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



75.7770, 79.0253, 48.3053



53.9378, 55.0230, 102.3854

# 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.



82.6656, 79.0253, 132.6775



75.7770, 79.0253, 48.3053



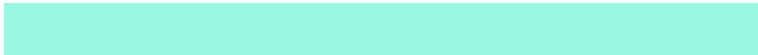
66.9609, 79.0253, 130.1561

# Square

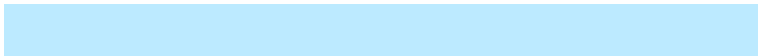
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7770, 79.0253, 48.3053



60.4116, 79.0253, 84.1578



74.4493, 79.0253, 139.6064



92.0205, 79.0253, 87.9604

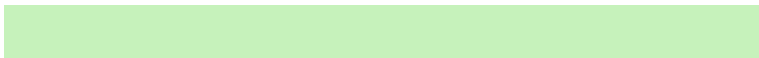


# Rectangle

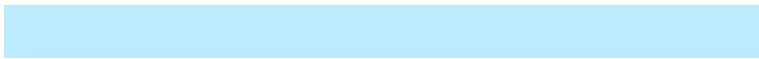
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7770, 79.0253, 48.3053



64.0437, 79.0253, 59.0043



74.4493, 79.0253, 139.6064



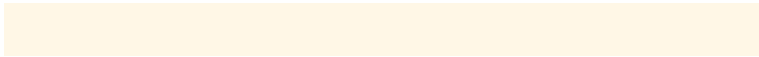
87.3854, 79.0253, 120.2950

# Sweetspot

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



75.7789, 79.0289, 48.3069



88.6508, 93.3412, 87.8396



65.3212, 53.2973, 59.6688



18.7934, 19.7860, 18.2162



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.



75.7789, 79.0289, 48.3069



72.7326, 75.3790, 39.7607



78.9334, 92.9602, 50.8297



19.0396, 20.0473, 19.0104



29.4930, 26.9972, 3.6565



2.9706, 2.8267, 0.3890



# Inverse Universe

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



53.9378, 55.0230, 102.3854



47.8701, 48.0658, 101.3623



51.4631, 45.2323, 100.6261



17.4801, 18.3319, 22.8671



11.1292, 7.1679, 50.2316



1.1776, 0.8859, 4.9222



# Previews

## White Background



This preview shows how the XYZ color 75.7770, 79.0253, 48.3053 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

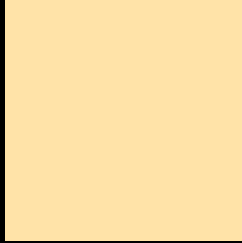
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.7770, 79.0253, 48.3053 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 75.7770, 79.0253, 48.3053**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.7770, 79.0253, 48.3053.



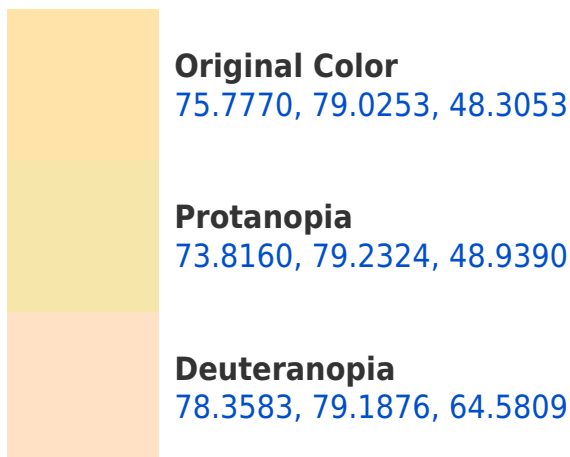
This preview shows how white text looks on a background with the XYZ color 75.7770, 79.0253,



# 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

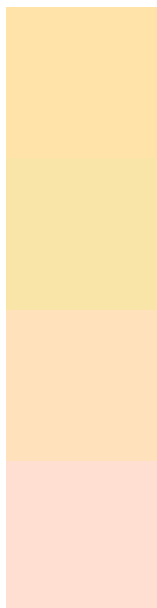




## Tritanopia

81.9477, 78.9134, 88.7546

# Trichromacy



## Original Color

75.7770, 79.0253, 48.3053

## Protanomaly

74.6051, 79.2272, 48.8964

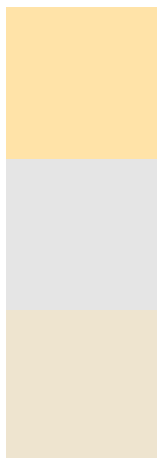
## Deuteranomaly

77.4060, 79.2406, 58.2289

## Tritanomaly

79.2605, 78.6885, 71.9837

# Monochromacy



## Original Color

75.7770, 79.0253, 48.3053

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.2658, 78.1689, 70.2054

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.7770, 79.0253, 48.3053 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 75.7770, 79.0253, 48.3053 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, 168) }
```



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

```
.border{ border-color:rgb(255, 227, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.7770, 79.0253, 48.3053 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, 168) }
```

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

```
.background{ background-color: rgb(255,  
227, 168) }
```

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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