

# Converting Colors

XYZ(162.2278, 122.4519,  
58.1754)

Have a look what the booklet for  
XYZ(162.2278, 122.4519, 58.1754)  
contains.

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# Color

**XYZ(76.4034, 78.4057,  
54.2869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1B4
RGB	255, 225, 180
RGB Percent	100%, 88%, 71%
CMY	0.0000, 0.1176, 0.2941
CMYK	0.00, 0.12, 0.29, 0.00
HSL	36°, 100%, 85%
HSV	36°, 29%, 100%
XYZ	76.4034, 78.4057, 54.2869
YIQ	228.8400, 32.3250, -7.6350

# Conversions

## Conversions Part 2

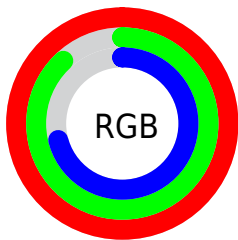
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 255, 180
Decimal	16769460
CIE <sub>Lab</sub>	90.96, 3.85, 25.83
CIE <sub>LCh</sub>	91, 26.117, 81.529
Yxy	78.4057, 0.3654, 0.3750
Android (android.graphics.Color)	4294959540 (0xFFFFE1B4)
YUV	228.8400, -24.0781, 22.9423
Hunter-Lab	88.5470, -0.9372, 25.6330

# Details

The XYZ color **76.4034, 78.4057, 54.2869** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.9183, 63.0145, 103.6127**, and the grayscale version is **74.5150, 78.3956, 85.3728**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **41.2314, 42.1521, 26.0417** is the 20% darker color. If you saturate the color by 10%, you get **71.3663, 72.1132, 40.9493**, and if you desaturate by 10%, it is **82.0871, 85.2259, 70.1995**.

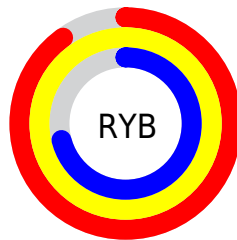
# Distribution



Red (100%)

Green (88%)

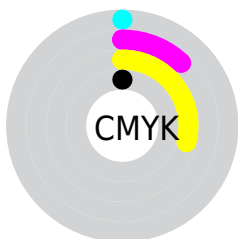
Blue (71%)



Red (90%)

Yellow (100%)

Blue (71%)

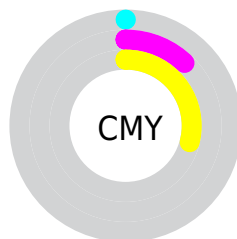


Cyan (0%)

Magenta (12%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4034, 78.4057, 54.2869 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 76.4034, 78.4057, 54.2869 by changing the saturation by 10% instead.





 76.4034, 78.4057,  
54.2869

 76.4034, 78.4057,  
54.2869


471.6507,  
489.5435, 420.4086

 57.0616, 58.4073,  
38.4363


 127.2743,  
131.1219, 97.9560

 41.2950, 42.1362,  
26.0171


159.5341,  
164.6084, 126.6116

 28.7384, 29.2079,  
16.6105


196.8305,  
203.3599, 160.3727

 19.0263, 19.2382,  
9.7982

239.5290,  
247.7605, 199.6578

 11.7934, 11.8425,  
5.1615

287.9950,  
298.1948, 244.8854

 6.6743, 6.6365,  
2.2819

342.5936,

 3.3038, 3.2358,

355.0472, 296.4740

0.7211

403.6904,  
418.7019, 354.8422

■ 1.3164, 1.2561,  
0.0000

■ 0.1954, 0.1068,  
0.0000

■ 76.4034, 78.4057,  
54.2869

■ 76.4034, 78.4057,  
54.2869

■ 71.3663, 72.1132,  
40.9493

■ 82.0871, 85.2259,  
70.1995

■ 66.9408, 66.3214,  
30.0427

■ 88.4384, 92.5783,  
88.8109

■ 63.0971, 61.0167,  
21.4163

95.0500, 100.0000,  
108.9000

■ 59.8002, 56.1801,  
14.9001

■ 57.0103, 51.7908,  
10.3002

■ 54.6808, 47.8249,  
7.3862

■ 52.7412, 44.2492,  
5.8043

■ 52.6344, 44.0488,  
5.7281

# Harmonies

## Analogous

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



82.6818, 78.4057, 60.0062



76.4034, 78.4057, 54.2869



69.9707, 78.4057, 55.8809

# Triad

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



76.4034, 78.4057, 54.2869



63.3514, 78.4057, 99.3842



84.8837, 78.4057, 109.9806

# Complementary

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



76.4034, 78.4057, 54.2869



59.9183, 63.0145, 103.6127

# Split Complementary

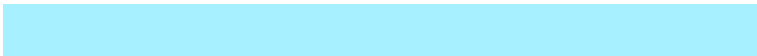
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2670, 78.4057, 123.7493



76.4034, 78.4057, 54.2869



66.9180, 78.4057, 117.0316

# Square

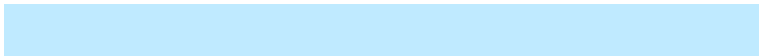
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4034, 78.4057, 54.2869



62.6849, 78.4057, 80.1384



72.6723, 78.4057, 126.5039



87.7633, 78.4057, 90.8254

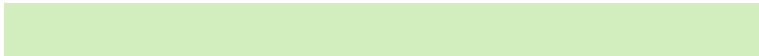


# Rectangle

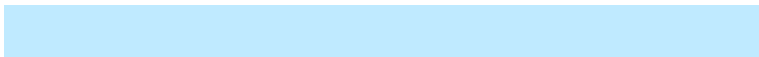
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4034, 78.4057, 54.2869



66.4372, 78.4057, 60.9953



72.6723, 78.4057, 126.5039



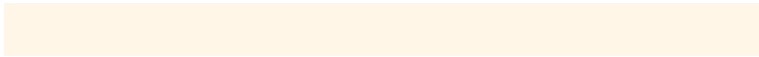
83.2380, 78.4057, 115.5028

# Sweetspot

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



76.4054, 78.4093, 54.2885



88.7142, 92.8922, 89.6354



69.1946, 58.5565, 68.6291



18.7807, 19.6458, 18.5655



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.



76.4054, 78.4093, 54.2885



73.5116, 74.8272, 46.5249



82.5328, 94.6806, 57.1063



18.9161, 19.8003, 18.9692



27.6527, 23.3166, 3.0431



2.7994, 2.4842, 0.3320



# Inverse Universe

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



59.9183, 63.0145, 103.6127



54.7137, 57.2803, 102.7802



54.9881, 50.4915, 101.4554



17.5992, 18.5699, 22.9067



12.0495, 9.0087, 50.5383



1.2766, 1.0839, 4.9552



# Previews

## White Background



This preview shows how the XYZ color 76.4034, 78.4057, 54.2869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

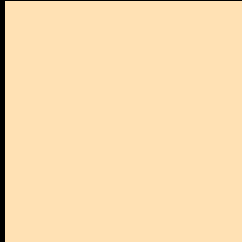
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4034, 78.4057, 54.2869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

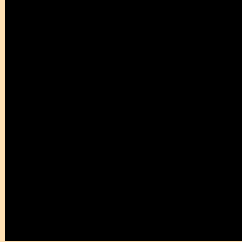
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.4034, 78.4057, 54.2869**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4034, 78.4057, 54.2869.



This preview shows how white text looks on a background with the XYZ color 76.4034, 78.4057,



# 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

76.4034, 78.4057, 54.2869

### Protanopia

73.7710, 78.6491, 55.5486

### Deuteranopia

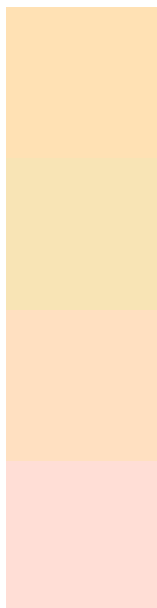
78.0530, 78.2055, 65.6249



## Tritanopia

81.5412, 78.3296, 87.9122

# Trichromacy



## Original Color

76.4034, 78.4057, 54.2869

## Protanomaly

74.7953, 78.7795, 54.9799

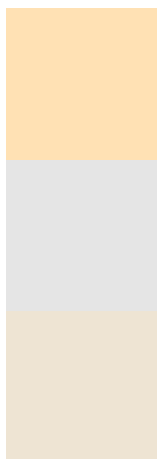
## Deuteranomaly

77.5213, 78.4216, 61.5031

## Tritanomaly

79.4989, 78.3576, 74.5528

# Monochromacy



## Original Color

76.4034, 78.4057, 54.2869

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.7612, 78.3671, 72.8140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4034, 78.4057, 54.2869 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4034, 78.4057, 54.2869 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, 180) }
```



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

```
.border{ border-color:rgb(255, 225, 180) }
```

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, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4034, 78.4057, 54.2869 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
225, 180) }
```

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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