

Converting Colors

XYZ(109.9408, 100.0000,
36.5996)

Have a look what the booklet for
XYZ(109.9408, 100.0000, 36.5996)
contains.

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Color

**XYZ(75.0360, 81.8549,
34.7664)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEA87
RGB	255, 234, 135
RGB Percent	100%, 92%, 53%
CMY	0.0000, 0.0823, 0.4706
CMYK	0.00, 0.08, 0.47, 0.00
HSL	50°, 100%, 76%
HSV	50°, 47%, 100%
XYZ	75.0360, 81.8549, 34.7664
YIQ	228.9930, 44.2950, -26.3370

Conversions

Conversions Part 2

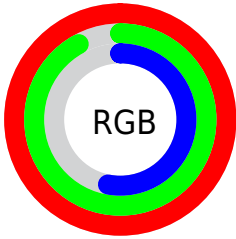
Format	Color
R_{YB}	160, 255, 135
Decimal	16771719
CIE _{Lab}	92.51, -5.61, 50.39
CIE _{LCh}	93, 50.700, 96.349
Yxy	81.8549, 0.3915, 0.4271
Android (android.graphics.Color)	4294961799 (0xFFFFEA87)
YUV	228.9930, -46.3385, 22.8081
Hunter-Lab	90.4737, -10.2868, 40.5482

Details

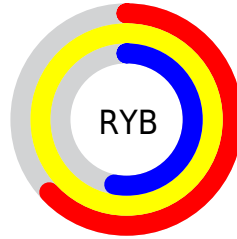
The XYZ color **75.0360, 81.8549, 34.7664** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.9299, 36.1467, 99.4800**, and the grayscale version is **74.7802, 78.6746, 85.6767**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **40.4464, 44.6005, 14.6606** is the 20% darker color. If you saturate the color by 10%, you get **72.1979, 78.7159, 25.9988**, and if you desaturate by 10%, it is **78.3401, 85.2375, 45.8123**.

Distribution



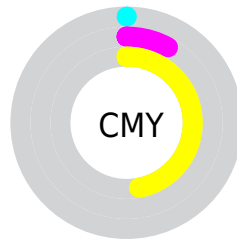
- Red (100%)
- Green (92%)
- Blue (53%)



- Red (63%)
- Yellow (100%)
- Blue (53%)



- Cyan (0%)
- Magenta (8%)
- Yellow (47%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0360, 81.8549, 34.7664 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 75.0360, 81.8549, 34.7664 by changing the saturation by 10% instead.


 75.0360, 81.8549,
34.7664


 75.0360, 81.8549,
34.7664


467.0366,
501.1622, 338.4089


 55.9367, 61.2459,
23.2009


 125.3510,
135.9705, 68.2712

 40.3889, 44.4237,
14.5352


 157.2973,
170.2459, 91.0475

 28.0275, 31.0037,
8.3509


 194.2567,
209.8456, 118.3979

 18.4869, 20.6017,
4.2293

236.5944,
255.1540, 150.7408

 11.4019, 12.8332,
1.7520

284.6759,
306.5555, 188.4948

 6.4072, 7.3138,
0.3960

338.8666,

 3.1372, 3.6591,

364.4344, 232.0785

0.0000

399.5317,
429.1752, 281.9103

■ 1.2267, 1.4847,
0.0000

■ 0.1273, 0.2780,
0.0000

■ 75.0360, 81.8549,
34.7664

■ 75.0360, 81.8549,
34.7664

■ 72.1979, 78.7159,
25.9988

■ 78.3401, 85.2375,
45.8123

■ 69.7883, 75.7961,
19.3400

■ 82.1324, 88.8639,
59.2795

■ 67.7736, 73.0847,
14.6051

■ 86.4411, 92.7487,
75.3053

■ 66.1119, 70.5646,
11.5749

■ 91.2901, 96.9019,
94.0152

■ 64.7498, 68.2139, 95.0499, 100.0000,
9.9694 108.9000

■ 64.3825, 67.5451,
9.6442

Harmonies

Analogous

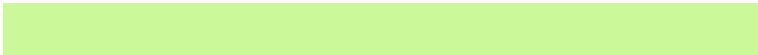
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3979, 81.8549, 37.8660



75.0360, 81.8549, 34.7664



63.7476, 81.8549, 42.5777

Triad

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



75.0360, 81.8549, 34.7664



59.1505, 81.8549, 139.3406



103.3535, 81.8549, 121.4679

Complementary

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



75.0360, 81.8549, 34.7664



39.9299, 36.1467, 99.4800

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.



93.7806, 81.8549, 161.1502



75.0360, 81.8549, 34.7664



68.0861, 81.8549, 173.3384

Square

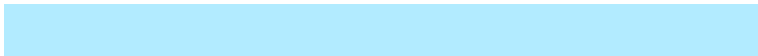
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0360, 81.8549, 34.7664



55.2670, 81.8549, 97.3820



80.6323, 81.8549, 182.2777



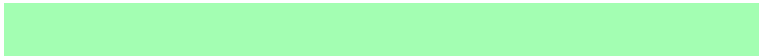
105.7522, 81.8549, 81.3505

Rectangle

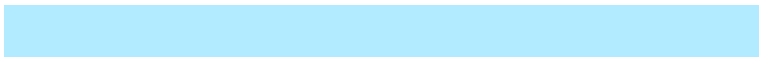
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0360, 81.8549, 34.7664



58.5829, 81.8549, 54.7023



80.6323, 81.8549, 182.2777



100.8192, 81.8549, 135.6086

Sweetspot

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



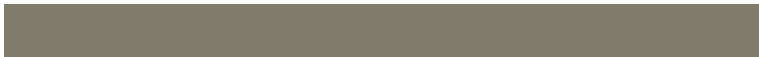
75.0380, 81.8587, 34.7681



87.8655, 93.9899, 80.7359



55.9903, 41.0231, 36.8665



18.5906, 19.9297, 16.4550



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

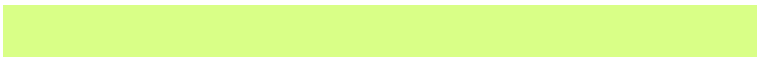
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0380, 81.8587, 34.7681



72.4775, 79.0377, 26.8235



68.7488, 88.0210, 36.2890



19.2750, 20.5181, 19.0888



33.7401, 35.4914, 5.0722



3.3529, 3.5913, 0.5165

Inverse Universe

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



39.9299, 36.1467, 99.4800



33.7292, 28.6211, 98.3544



43.9483, 33.4331, 98.7444



17.2599, 17.8913, 22.7936



9.9882, 4.8860, 49.8512



1.0397, 0.6102, 4.8763

Previews

White Background



This preview shows how the XYZ color 75.0360, 81.8549, 34.7664 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 75.0360, 81.8549, 34.7664 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 75.0360, 81.8549, 34.7664

Background



This preview shows how black text looks on a background with the XYZ color 75.0360, 81.8549, 34.7664.

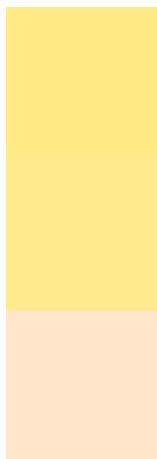


This preview shows how white text looks on a background with the XYZ color 75.0360, 81.8549,

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

75.0360, 81.8549, 34.7664

Protanopia

75.5453, 82.0586, 37.4484

Deuteranopia

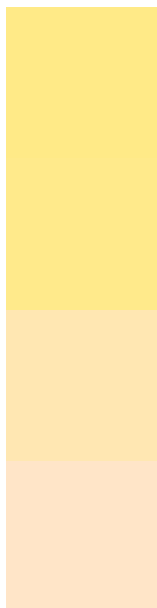
79.9200, 81.5629, 67.4081



Tritanopia

83.7224, 81.7671, 91.4908

Trichromacy



Original Color

75.0360, 81.8549, 34.7664

Protanomaly

75.3230, 81.9697, 36.2779

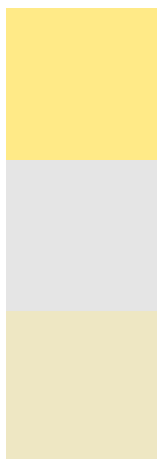
Deuteranomaly

77.8518, 81.6262, 53.7717

Tritanomaly

79.6846, 81.4688, 66.1688

Monochromacy



Original Color

75.0360, 81.8549, 34.7664

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.6861, 79.2691, 63.0466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0360, 81.8549, 34.7664 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, 234, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 135)  
}
```

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, 234, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 135) }
```

Border

The CSS property to change the border of an element to XYZ 75.0360, 81.8549, 34.7664 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, 234, 135) }
```


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

```
.border{ border-color:rgb(255, 234, 135) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 234, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0360, 81.8549, 34.7664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 135) }
```

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

```
.background{ background-color: rgb(255,  
234, 135) }
```

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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