

Converting Colors

XYZ(76.2714, 84.6589, 34.1507)

Have a look what the booklet for
XYZ(76.2714, 84.6589, 34.1507)
contains.

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Color

**XYZ(76.2714, 84.6589,
34.1507)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF84
RGB	255, 239, 132
RGB Percent	100%, 94%, 52%
CMY	0.0000, 0.0627, 0.4823
CMYK	0.00, 0.06, 0.48, 0.00
HSL	52°, 100%, 76%
HSV	52°, 48%, 100%
XYZ	76.2714, 84.6589, 34.1507
YIQ	231.5860, 43.8830, -29.8850

Conversions

Conversions Part 2

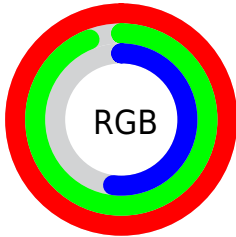
Format	Color
R_{YB}	150, 255, 132
Decimal	16772996
CIE _{Lab}	93.74, -8.37, 53.31
CIE _{LCh}	94, 53.966, 98.918
Yxy	84.6589, 0.3910, 0.4340
Android (android.graphics.Color)	4294963076 (0xFFFFEF84)
YUV	231.5860, -49.0959, 20.5341
Hunter-Lab	92.0103, -13.0514, 42.4010

Details

The XYZ color **76.2714, 84.6589, 34.1507** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.1555, 33.3045, 99.0250**, and the grayscale version is **76.7264, 80.7221, 87.9064**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **41.1097, 46.1672, 14.1416** is the 20% darker color. If you saturate the color by 10%, you get **73.7742, 82.1241, 25.7365**, and if you desaturate by 10%, it is **79.2170, 87.4078, 44.8202**.

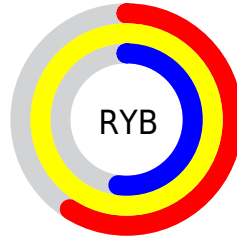
Distribution



Red (100%)

Green (94%)

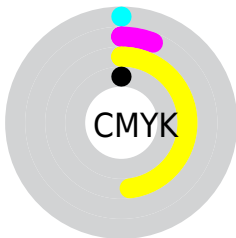
Blue (52%)



Red (59%)

Yellow (100%)

Blue (52%)

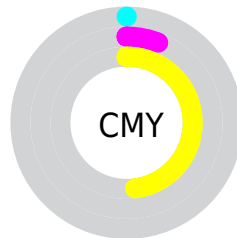


Cyan (0%)

Magenta (6%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2714, 84.6589, 34.1507 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 76.2714, 84.6589, 34.1507 by changing the saturation by 10% instead.

76.2714, 84.6589,
34.1507

76.2714, 84.6589,
34.1507

471.2064,
510.4987, 335.5931

56.9529, 63.5596,
22.7311

127.0888,
139.8965, 67.3045

41.2074, 46.2941,
14.1916

159.3184,
174.8036, 89.8758

28.6696, 32.4779,
8.1138

196.5824,
215.0820, 117.0014

18.9740, 21.7268,
4.0790

239.2462,
261.1163, 149.0999

11.7554, 13.6563,
1.6688

287.6752,
313.2906, 186.5898

6.6484, 7.8820,
0.3392

342.2346,

3.2875, 4.0195,

371.9896, 229.8896

0.0000

403.2899,
437.5975, 279.4178

■ 1.3076, 1.6845,
0.0000

■ 0.1889, 0.4136,
0.0000

■ 76.2714, 84.6589,
34.1507

■ 76.2714, 84.6589,
34.1507

■ 73.7742, 82.1241,
25.7365

■ 79.2170, 87.4078,
44.8202

■ 71.6876, 79.7787,
19.4057

■ 82.6333, 90.3706,
57.8895

■ 69.9774, 77.6120,
14.9704

■ 86.5486, 93.5617,
73.4972

■ 68.6010, 75.6070,
12.2065

■ 90.9868, 96.9910,
91.7698

■ 67.4996, 73.7398, 95.0500, 100.0000,
10.8049 108.9000

■ 67.3193, 73.4187,
10.6231

Harmonies

Analogous

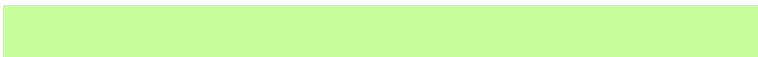
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7848, 84.6589, 36.4312



76.2714, 84.6589, 34.1507



64.3744, 84.6589, 43.4210

Triad

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



76.2714, 84.6589, 34.1507



60.8830, 84.6589, 151.1391



108.9966, 84.6589, 123.5624

Complementary

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



76.2714, 84.6589, 34.1507



38.1555, 33.3045, 99.0250

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.



99.0372, 84.6589, 168.1763



76.2714, 84.6589, 34.1507



70.9598, 84.6589, 187.1014

Square

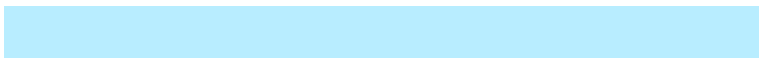
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2714, 84.6589, 34.1507



56.2086, 84.6589, 104.9550



84.8111, 84.6589, 194.1227



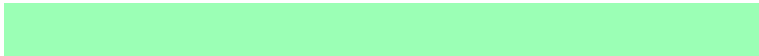
110.8564, 84.6589, 80.4845

Rectangle

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



76.2714, 84.6589, 34.1507



59.1081, 84.6589, 57.1596



84.8111, 84.6589, 194.1227



106.4329, 84.6589, 139.1917

Sweetspot

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



76.2734, 84.6628, 34.1524



88.3627, 94.9841, 80.9017



54.8689, 39.9142, 32.9967



18.7128, 20.1742, 16.4957



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

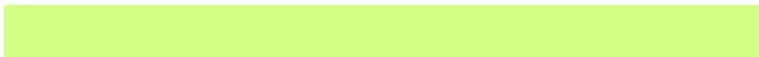
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2734, 84.6628, 34.1524



73.8279, 82.1813, 25.9089



66.4752, 86.8731, 35.0955



19.3479, 20.6639, 19.1131



35.2545, 38.5202, 5.5770



3.4863, 3.8580, 0.5609

Inverse Universe

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



38.1555, 33.3045, 99.0250



31.6288, 25.3586, 97.8354



44.4564, 33.0825, 98.6501



17.1934, 17.7583, 22.7715



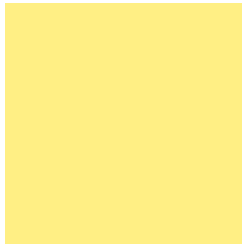
9.7763, 4.4623, 49.7806



1.0083, 0.5473, 4.8658

Previews

White Background



This preview shows how the XYZ color 76.2714, 84.6589, 34.1507 looks on a white background.

Color Contrast Check

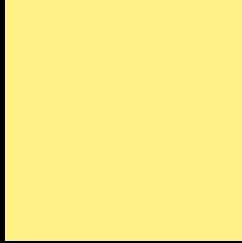
Large Text (above 18pt) WCAG AA × Fail

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 76.2714, 84.6589, 34.1507 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 76.2714, 84.6589, 34.1507

Background



This preview shows how black text looks on a background with the XYZ color 76.2714, 84.6589, 34.1507.

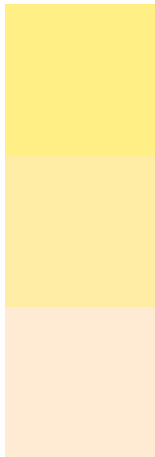


This preview shows how white text looks on a background with the XYZ color 76.2714, 84.6589,

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

76.2714, 84.6589, 34.1507

Protanopia

78.3157, 84.5450, 47.7884

Deuteranopia

82.4207, 84.8088, 73.6537



Tritanopia

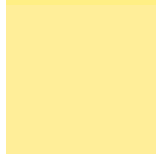
85.6931, 84.7627, 95.0634

Trichromacy



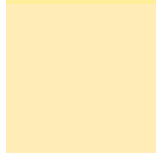
Original Color

76.2714, 84.6589, 34.1507



Protanomaly

77.5643, 84.7090, 42.3994



Deuteranomaly

79.6790, 84.6283, 56.3913



Tritanomaly

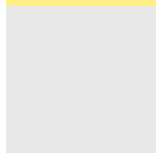
81.2054, 84.3227, 67.2543

Monochromacy



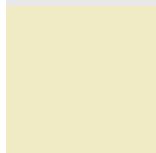
Original Color

76.2714, 84.6589, 34.1507



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

75.6073, 81.9274, 64.0532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2714, 84.6589, 34.1507 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, 239, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 132)  
}
```

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, 239, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 132) }
```

Border

The CSS property to change the border of an element to XYZ 76.2714, 84.6589, 34.1507 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, 239, 132) }
```


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

```
.border{ border-color:rgb(255, 239, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2714, 84.6589, 34.1507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 132) }
```

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

```
.background{ background-color: rgb(255,  
239, 132) }
```

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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