

Converting Colors

XYZ(75.9726, 84.0679, 34.0468)

Have a look what the booklet for
XYZ(75.9726, 84.0679, 34.0468)
contains.

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Color

**XYZ(75.9794, 84.0750,
34.0534)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEE84
RGB	255, 238, 132
RGB Percent	100%, 93%, 52%
CMY	0.0000, 0.0666, 0.4823
CMYK	0.00, 0.07, 0.48, 0.00
HSL	52°, 100%, 76%
HSV	52°, 48%, 100%
XYZ	75.9794, 84.0750, 34.0534
YIQ	230.9990, 44.1580, -29.3620

Conversions

Conversions Part 2

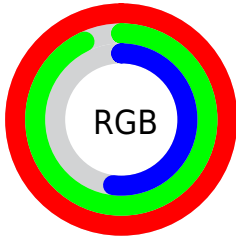
Format	Color
R_{YB}	152, 255, 132
Decimal	16772740
CIE _{Lab}	93.48, -7.87, 53.01
CIE _{LCh}	93, 53.587, 98.444
Yxy	84.0750, 0.3914, 0.4331
Android (android.graphics.Color)	4294962820 (0xFFFFEE84)
YUV	230.9990, -48.8065, 21.0489
Hunter-Lab	91.6924, -12.5507, 42.1651

Details

The XYZ color **75.9794, 84.0750, 34.0534** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.3130, 33.6195, 99.0774**, and the grayscale version is **76.2856, 80.2584, 87.4014**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **40.9042, 45.7562, 14.0731** is the 20% darker color. If you saturate the color by 10%, you get **73.4283, 81.4324, 25.6212**, and if you desaturate by 10%, it is **78.9811, 86.9361, 44.7416**.

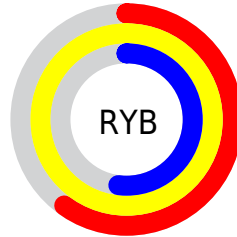
Distribution



Red (100%)

Green (93%)

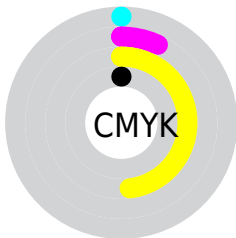
Blue (52%)



Red (60%)

Yellow (100%)

Blue (52%)

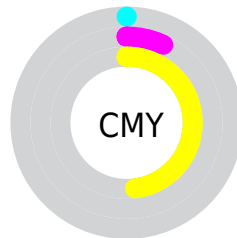


Cyan (0%)

Magenta (7%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.9794, 84.0750, 34.0534 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 75.9794, 84.0750, 34.0534 by changing the saturation by 10% instead.


 75.9794, 84.0750,
34.0534

 75.9794, 84.0750,
34.0534


470.2227,
508.5623, 335.1465


 56.7126, 63.0774,
22.6569


 126.6783,
139.0801, 67.1515

 41.0138, 45.9038,
14.1375


 158.8411,
173.8563, 89.6903

 28.5176, 32.1699,
8.0765


 196.0333,
213.9942, 116.7802

 18.8586, 21.4913,
4.0555

238.6203,
259.8781, 148.8399

 11.6716, 13.4836,
1.6558

286.9673,
311.8925, 186.2878

 6.5911, 7.7624,
0.3302

341.4398,

 3.2517, 3.9433,

370.4217, 229.5425

0.0000

402.4032,
435.8502, 279.0226

■ 1.2882, 1.6419,
0.0000

■ 0.1744, 0.3856,
0.0000

■ 75.9794, 84.0750,
34.0534

■ 75.9794, 84.0750,
34.0534

■ 73.4283, 81.4324,
25.6212

■ 78.9811, 86.9361,
44.7416

■ 71.2901, 78.9838,
19.2732

■ 82.4558, 90.0157,
57.8303

■ 69.5305, 76.7184,
14.8215

■ 86.4318, 93.3282,
73.4582

■ 68.1069, 74.6190,
12.0418

■ 90.9331, 96.8835,
91.7519

■ 66.9606, 72.6619, 95.0499, 99.9999,
10.6253 108.9000

■ 66.7726, 72.3253,
10.4409

Harmonies

Analogous

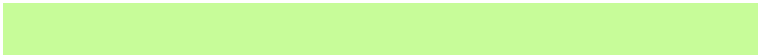
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3355, 84.0750, 36.4926



75.9794, 84.0750, 34.0534



64.1518, 84.0750, 43.0518

Triad

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



75.9794, 84.0750, 34.0534



60.4297, 84.0750, 149.0773



107.9977, 84.0750, 123.2790

Complementary

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



75.9794, 84.0750, 34.0534



38.3130, 33.6195, 99.0774

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.



98.0598, 84.0750, 167.1884



75.9794, 84.0750, 34.0534



70.3205, 84.0750, 184.8847

Square

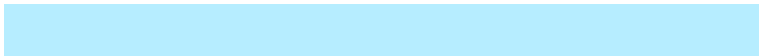
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.9794, 84.0750, 34.0534



55.8946, 84.0750, 103.4763



83.9755, 84.0750, 192.3444



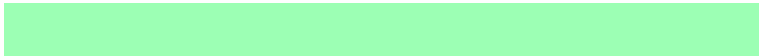
109.9762, 84.0750, 80.5651

Rectangle

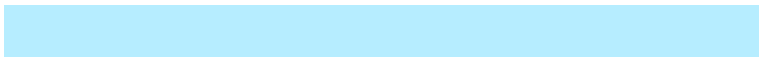
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.9794, 84.0750, 34.0534



58.8857, 84.0750, 56.5043



83.9755, 84.0750, 192.3444



105.4252, 84.0750, 138.7054

Sweetspot

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



75.9814, 84.0789, 34.0551



88.2724, 94.8036, 80.8716



55.0331, 39.9799, 33.8620



18.6906, 20.1298, 16.4883



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

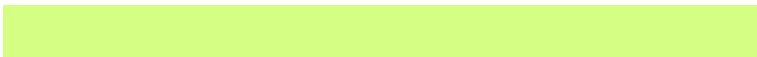
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9814, 84.0789, 34.0551



73.4834, 81.4923, 25.7941



67.0622, 87.1756, 35.1229



19.3347, 20.6375, 19.1087



34.9728, 37.9567, 5.4831



3.4616, 3.8085, 0.5527

Inverse Universe

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



38.3130, 33.6195, 99.0774



31.7839, 25.6690, 97.8872



43.9925, 32.8433, 98.6282



17.2054, 17.7823, 22.7755



9.8103, 4.5303, 49.7920



1.0139, 0.5585, 4.8676

Previews

White Background



This preview shows how the XYZ color 75.9794, 84.0750, 34.0534 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 75.9794, 84.0750, 34.0534 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 75.9794, 84.0750, 34.0534

Background



This preview shows how black text looks on a background with the XYZ color 75.9794, 84.0750, 34.0534.



This preview shows how white text looks on a background with the XYZ color 75.9794, 84.0750,

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

75.9794, 84.0750, 34.0534

Protanopia

77.6685, 83.8241, 45.8043

Deuteranopia

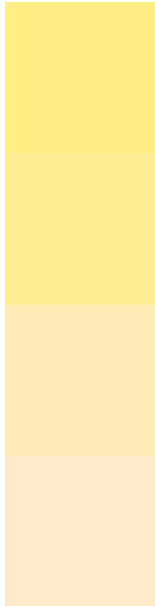
81.8875, 84.1413, 72.2466



Tritanopia

85.2650, 84.1449, 94.1857

Trichromacy



Original Color

75.9794, 84.0750, 34.0534

Protanomaly

77.0292, 84.0304, 41.0138

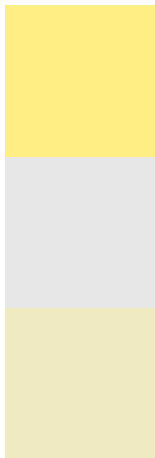
Deuteranomaly

79.2888, 84.0129, 55.7532

Tritanomaly

80.9215, 83.7549, 67.1596

Monochromacy



Original Color

75.9794, 84.0750, 34.0534

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.2083, 81.3110, 63.3605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9794, 84.0750, 34.0534 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, 238, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 132) }
```

Border

The CSS property to change the border of an element to XYZ 75.9794, 84.0750, 34.0534 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, 238, 132) }
```


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

```
.border{ border-color:rgb(255, 238, 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, 238, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9794, 84.0750, 34.0534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 132) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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