

Converting Colors

XYZ(107.1614, 100.0000,
33.4073)

Have a look what the booklet for
XYZ(107.1614, 100.0000, 33.4073)
contains.

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Color

**XYZ(75.5804, 83.9154,
31.9524)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEE7E
RGB	255, 238, 126
RGB Percent	100%, 93%, 49%
CMY	0.0000, 0.0666, 0.5059
CMYK	0.00, 0.07, 0.51, 0.00
HSL	52°, 100%, 75%
HSV	52°, 51%, 100%
XYZ	75.5804, 83.9154, 31.9524
YIQ	230.3150, 46.0840, -31.2280

Conversions

Conversions Part 2

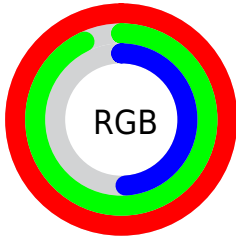
Format	Color
R_{YB}	146, 255, 126
Decimal	16772734
CIE _{Lab}	93.41, -8.38, 55.74
CIE _{LCh}	93, 56.365, 98.554
Yxy	83.9154, 0.3948, 0.4383
Android (android.graphics.Color)	4294962814 (0xFFFFEE7E)
YUV	230.3150, -51.4273, 21.6487
Hunter-Lab	91.6053, -13.0352, 43.4431

Details

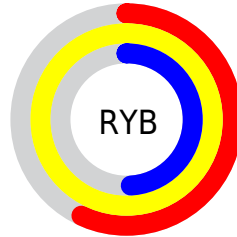
The XYZ color **75.5804, 83.9154, 31.9524** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.4764, 31.2995, 98.7263**, and the grayscale version is **75.7942, 79.7414, 86.8384**.

A 20% lighter version of the original color is **85.3405, 96.1162, 57.7704**, and **40.6955, 45.6727, 12.9742** is the 20% darker color. If you saturate the color by 10%, you get **73.1720, 81.4048, 24.0408**, and if you desaturate by 10%, it is **78.4304, 86.6381, 42.0819**.

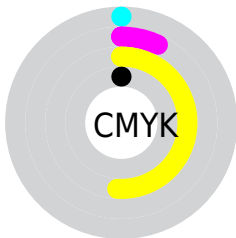
Distribution



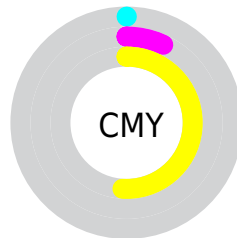
- Red (100%)
- Green (93%)
- Blue (49%)



- Red (57%)
- Yellow (100%)
- Blue (49%)



- Cyan (0%)
- Magenta (7%)
- Yellow (51%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.5804, 83.9154, 31.9524 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 75.5804, 83.9154, 31.9524 by changing the saturation by 10% instead.


 75.5804, 83.9154,
31.9524

 75.5804, 83.9154,
31.9524


468.8766,
508.0323, 325.3884


 56.3844, 62.9456,
21.0606


 126.1171,
138.8568, 63.8335

 40.7494, 45.7972,
12.9766


 158.1885,
173.5972, 85.6599

 28.3101, 32.0858,
7.2819


 195.2824,
213.6966, 111.9683

 18.7012, 21.4271,
3.5579

237.7641,
259.5394, 143.1771

 11.5573, 13.4365,
1.3861

285.9991,
311.5100, 179.7050

 6.5130, 7.7298,
0.1308

340.3525,

 3.2031, 3.9226,

369.9927, 221.9705

0.0000

401.1899,
435.3720, 270.3921

■ 1.2620, 1.6303,
0.0000

■ 0.1545, 0.3779,
0.0000

■ 75.5804, 83.9154,
31.9524

■ 75.5804, 83.9154,
31.9524

■ 73.1720, 81.4048,
24.0408

■ 78.4304, 86.6381,
42.0819

■ 71.1666, 79.0813,
18.1705

■ 81.7452, 89.5729,
54.5774

■ 69.5288, 76.9338,
14.1469

■ 85.5534, 92.7346,
69.5802

■ 68.2139, 74.9441,
11.7347

■ 89.8797, 96.1331,
87.2193

■ 67.2042, 73.1886,
10.5848

94.7467, 99.7779,
107.6144

95.0498, 99.9999,
108.9000

Harmonies

Analogous

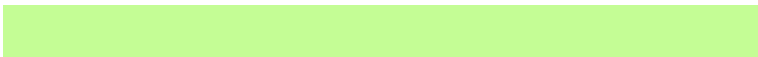
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6784, 83.9154, 34.3735



75.5804, 83.9154, 31.9524



63.2301, 83.9154, 41.1211

Triad

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



75.5804, 83.9154, 31.9524



59.4203, 83.9154, 152.5114



109.4476, 83.9154, 124.7047

Complementary

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



75.5804, 83.9154, 31.9524



36.4764, 31.2995, 98.7263

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.



98.9434, 83.9154, 171.5493



75.5804, 83.9154, 31.9524



69.7535, 83.9154, 190.7663

Square

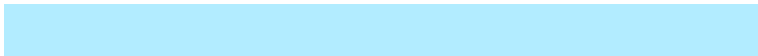
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5804, 83.9154, 31.9524



54.6902, 83.9154, 104.1018



84.0890, 83.9154, 198.6470



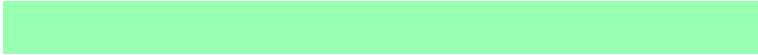
111.5125, 83.9154, 79.7203

Rectangle

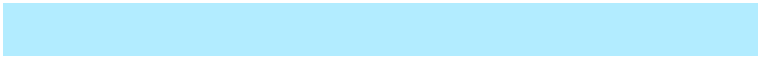
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.5804, 83.9154, 31.9524



57.7645, 83.9154, 54.9566



84.0890, 83.9154, 198.6470



106.7290, 83.9154, 141.1030

Sweetspot

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



75.5824, 83.9193, 31.9541



87.9055, 94.6039, 79.1025



53.6744, 38.1717, 30.6061



18.6213, 20.0963, 16.1412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

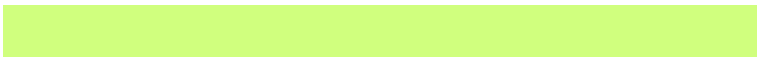
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.5824, 83.9193, 31.9541



73.0817, 81.3055, 23.7592



65.4543, 86.3927, 32.9654



19.3451, 20.6584, 19.1122



35.1952, 38.4017, 5.5573



3.4811, 3.8476, 0.5592

Inverse Universe

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



36.4764, 31.2995, 98.7263



29.9543, 23.3168, 97.5296



42.8116, 31.0611, 98.3464



17.1959, 17.7633, 22.7723



9.7833, 4.4762, 49.7829



1.0095, 0.5496, 4.8662

Previews

White Background



This preview shows how the XYZ color 75.5804, 83.9154, 31.9524 looks on a white background.

Color Contrast Check

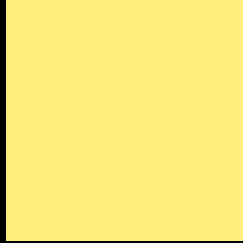
Large Text (above 18pt) WCAG AA × Fail

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 75.5804, 83.9154, 31.9524 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 75.5804, 83.9154, 31.9524

Background



This preview shows how black text looks on a background with the XYZ color 75.5804, 83.9154, 31.9524.



This preview shows how white text looks on a background with the XYZ color 75.5804, 83.9154,

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

75.5804, 83.9154, 31.9524

Protanopia

77.4935, 83.7541, 44.8827

Deuteranopia

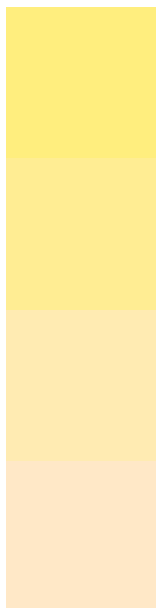
81.7641, 84.0919, 71.5964



Tritanopia

84.9875, 83.5899, 94.0932

Trichromacy



Original Color

75.5804, 83.9154, 31.9524

Protanomaly

76.7906, 83.9350, 39.7575

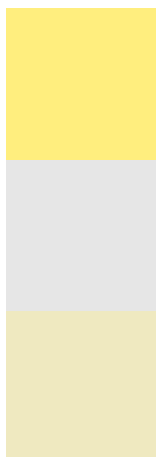
Deuteranomaly

78.9842, 83.8910, 54.1492

Tritanomaly

80.4054, 83.0967, 65.8343

Monochromacy



Original Color

75.5804, 83.9154, 31.9524

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.2499, 80.4343, 61.4812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.5804, 83.9154, 31.9524 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 126) }
```

Border

The CSS property to change the border of an element to XYZ 75.5804, 83.9154, 31.9524 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, 126) }
```


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

```
.border{ border-color:rgb(255, 238, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 75.5804, 83.9154, 31.9524 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, 126) }
```

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

```
.background{ background-color: rgb(255,  
238, 126) }
```

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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