

Converting Colors

XYZ(75.9123, 89.0748, 19.7071)

Have a look what the booklet for
XYZ(75.9123, 89.0748, 19.7071)
contains.

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Color

**XYZ(75.9848, 89.3166,
19.7136)**

Conversions

Conversions Part 1

Format	Color
Hex	FEF94A
RGB	254, 249, 74
RGB Percent	100%, 98%, 29%
CMY	0.0039, 0.0235, 0.7098
CMYK	0.00, 0.02, 0.71, 0.00
HSL	58°, 99%, 64%
HSV	58°, 71%, 100%
XYZ	75.9848, 89.3166, 19.7136
YIQ	230.5450, 59.1550, -53.3650

Conversions

Conversions Part 2

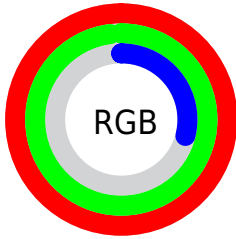
Format	Color
RYB	79, 254, 74
Decimal	16709962
CIELab	95.71, -17.47, 79.46
CIELCh	96, 81.361, 102.398
Yxy	89.3166, 0.4107, 0.4828
Android (android.graphics.Color)	4294900042 (0xFFFEF94A)
YUV	230.5450, -77.1767, 20.5700
Hunter-Lab	94.5075, -21.8725, 53.7877

Details

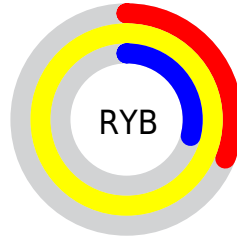
The XYZ color **75.9848, 89.3166, 19.7136** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **23.5098, 14.2037, 95.2679**, and the grayscale version is **76.1442, 80.1097, 87.2394**.

A 20% lighter version of the original color is **81.2336, 94.4735, 36.1440**, and **41.3181, 49.6093, 7.3979** is the 20% darker color. If you saturate the color by 10%, you get **75.0793, 88.6100, 16.0087**, and if you desaturate by 10%, it is **77.2404, 90.1713, 25.2403**.

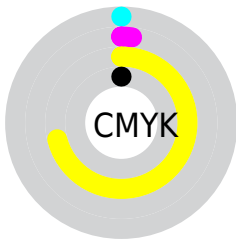
Distribution



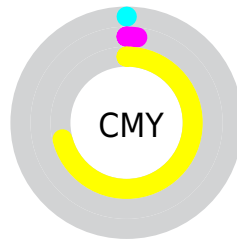
- Red (100%)
- Green (98%)
- Blue (29%)



- Red (31%)
- Yellow (100%)
- Blue (29%)



- Cyan (0%)
- Magenta (2%)
- Yellow (71%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9848, 89.3166, 19.7136 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 75.9848, 89.3166, 19.7136 by changing the saturation by 10% instead.

75.9848, 89.3166,
19.7136

75.9848, 89.3166,
19.7136

470.2409,
525.8053, 262.9132

56.7171, 67.4140,
12.0050

126.6859,
146.3888, 43.7891

41.0174, 49.4211,
6.6245

158.8499,
182.3271, 60.9932

28.5204, 34.9537,
3.1535

196.0435,
223.7128, 82.1994

18.8608, 23.6272,
1.1736

238.6319,
270.9302, 107.8265

11.6731, 15.0573,
0.0000

286.9804,
324.3637, 138.2928

6.5921, 8.8596,
0.0000

341.4546,

3.2524, 4.6497,

384.3979, 174.0170

0.0000

402.4196,
451.4169, 215.4176

■ 1.2886, 2.0432,
0.0000

■ 0.1747, 0.6324,
0.0000

■ 75.9848, 89.3166,
19.7136

■ 75.9848, 89.3166,
19.7136

■ 75.0793, 88.6100,
16.0087

■ 77.2404, 90.1713,
25.2403

■ 74.4734, 88.0211,
13.8861

■ 78.8771, 91.1764,
32.7788

■ 74.1195, 87.5641,
12.9951

■ 80.9293, 92.3490,
42.5011

■ 83.4258, 93.7006,
54.5594

86.3931, 95.2419,
69.0923

89.8553, 96.9824,
86.2277

93.8351, 98.9313,
106.0845

94.5691, 99.5832,
108.8449

94.6828, 99.8107,
108.8828

Harmonies

Analogous

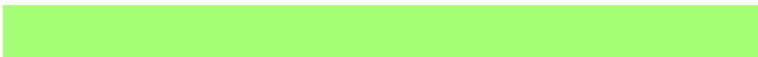
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.5821, 89.3166, 20.7300



75.9848, 89.3166, 19.7136



59.0573, 89.3166, 31.6780

Triad

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



75.9848, 89.3166, 19.7136



56.9146, 89.3166, 206.2652



132.8711, 89.3166, 139.4827

Complementary

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



75.9848, 89.3166, 19.7136



23.5098, 14.2037, 95.2679

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.



117.3397, 89.3166, 219.6046



75.9848, 89.3166, 19.7136



72.5332, 89.3166, 268.3686

Square

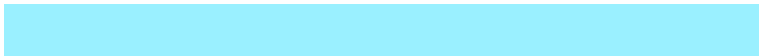
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.9848, 89.3166, 19.7136



49.4183, 89.3166, 126.1829



94.4710, 89.3166, 274.1069



134.2390, 89.3166, 73.1178

Rectangle

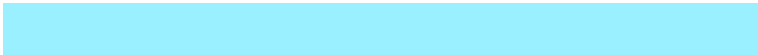
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.9848, 89.3166, 19.7136



52.1832, 89.3166, 50.5961



94.4710, 89.3166, 274.1069



129.0226, 89.3166, 166.2565

Sweetspot

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



75.9869, 89.3208, 19.7154



87.1236, 96.0742, 69.4886



44.7702, 26.5484, 10.3553



18.4610, 20.4679, 13.9537



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.



75.9869, 89.3208, 19.7154



75.4658, 89.1454, 15.0843



53.2560, 79.9241, 19.0997



19.5155, 20.9991, 19.1690



39.0961, 46.2035, 6.8576



3.8198, 4.5249, 0.6721

Inverse Universe

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



23.5098, 14.2037, 95.2679



19.7691, 9.4578, 95.3913



34.4397, 19.3236, 95.6801



17.0434, 17.4584, 22.7215



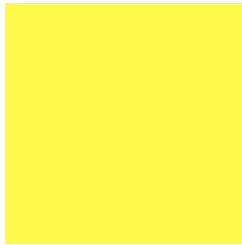
9.4891, 3.8878, 49.6849



0.9375, 0.4057, 4.8422

Previews

White Background



This preview shows how the XYZ color 75.9848, 89.3166, 19.7136 looks on a white background.

Color Contrast Check

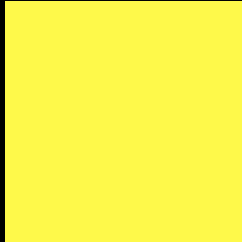
Large Text (above 18pt) WCAG AA × Fail

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 75.9848, 89.3166, 19.7136 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 75.9848, 89.3166, 19.7136

Background



This preview shows how black text looks on a background with the XYZ color 75.9848, 89.3166, 19.7136.

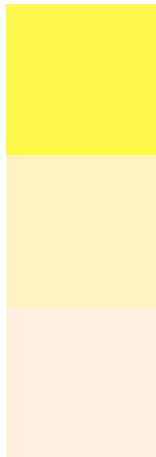


This preview shows how white text looks on a background with the XYZ color 75.9848, 89.3166,

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

75.9848, 89.3166, 19.7136

Protanopia

83.1409, 89.3013, 64.4846

Deuteranopia

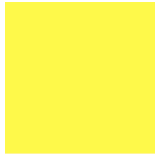
85.7194, 88.9079, 82.4551



Tritanopia

88.4491, 89.0629, 99.7179

Trichromacy



Original Color

75.9848, 89.3166, 19.7136



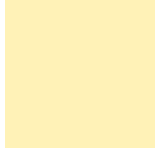
Protanomaly

79.4783, 88.7992, 42.2292



Deuteranomaly

80.4520, 88.2258, 50.3251



Tritanomaly

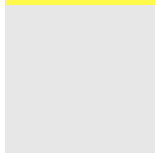
81.5394, 88.1832, 57.5232

Monochromacy



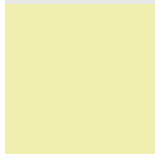
Original Color

75.9848, 89.3166, 19.7136



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.8111, 82.5558, 52.0890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9848, 89.3166, 19.7136 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(254, 249, 74)` looks like.

```
.text, #text, p{  
    color:rgb(254, 249, 74)  
}
```

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(254, 249, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 249, 74) }
```

Border

The CSS property to change the border of an element to XYZ 75.9848, 89.3166, 19.7136 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(254, 249, 74) }
```


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

```
.border{ border-color:rgb(254, 249, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 249, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 249, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 249, 74);  
box-shadow:4px 4px 4px 4px rgb(254, 249,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9848, 89.3166, 19.7136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 249, 74) }
```

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

```
.background{ background-color: rgb(254,  
249, 74) }
```

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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