

Converting Colors

XYZ(96.3449, 100.0000,
18.6627)

Have a look what the booklet for
XYZ(96.3449, 100.0000, 18.6627)
contains.

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Color

**XYZ(75.9580, 89.3483,
17.6574)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF93D
RGB	255, 249, 61
RGB Percent	100%, 98%, 24%
CMY	0.0000, 0.0235, 0.7608
CMYK	0.00, 0.02, 0.76, 0.00
HSL	58°, 100%, 62%
HSV	58°, 76%, 100%
XYZ	75.9580, 89.3483, 17.6574
YIQ	229.3620, 63.9240, -57.1960

Conversions

Conversions Part 2

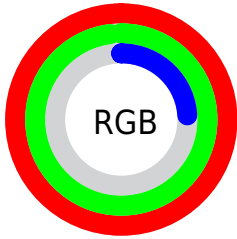
Format	Color
RYB	67, 255, 61
Decimal	16775485
CIELab	95.73, -17.58, 83.57
CIELCh	96, 85.395, 101.880
Yxy	89.3483, 0.4152, 0.4883
Android (android.graphics.Color)	4294965565 (0xFFFFF93D)
YUV	229.3620, -83.0025, 22.4845
Hunter-Lab	94.5242, -21.9780, 55.0914

Details

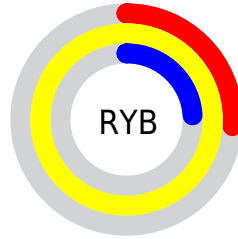
The XYZ color **75.9580, 89.3483, 17.6574** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.9820, 12.2266, 95.8085**, and the grayscale version is **75.3051, 79.2269, 86.2781**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **41.3181, 49.6093, 7.3979** is the 20% darker color. If you saturate the color by 10%, you get **75.1855, 88.6539, 14.7792**, and if you desaturate by 10%, it is **77.0618, 90.1836, 22.2573**.

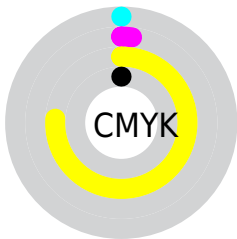
Distribution



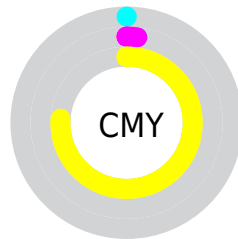
- Red (100%)
- Green (98%)
- Blue (24%)



- Red (26%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (2%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.9580, 89.3483, 17.6574 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 75.9580, 89.3483, 17.6574 by changing the saturation by 10% instead.


 75.9580, 89.3483,
17.6574

 75.9580, 89.3483,
17.6574


470.1505,
525.9086, 251.1038


 56.6950, 67.4403,
10.5374


 126.6482,
146.4328, 40.2587

 40.9996, 49.4425,
5.6465


 158.8061,
182.3781, 56.5771


 28.5064, 34.9706,
2.5660


 195.9931,
223.7712, 76.7987

 18.8502, 23.6402,
0.8748

 238.5744,
270.9966, 101.3420

 11.6654, 15.0670,
0.0000

 286.9154,
324.4386, 130.6257

 6.5869, 8.8664,
0.0000

341.3816,

 3.2491, 4.6541,

384.4817, 165.0681

0.0000

402.3381,
451.5103, 205.0880

■ 1.2868, 2.0458,
0.0000

■ 0.1733, 0.6339,
0.0000

■ 75.9580, 89.3483,
17.6574

■ 75.9580, 89.3483,
17.6574

■ 75.1855, 88.6539,
14.7792

■ 77.0618, 90.1836,
22.2573

■ 74.6874, 88.0676,
13.3497

■ 78.5316, 91.1635,
28.7887

■ 74.5379, 87.8563,
13.0294

■ 80.4044, 92.3063,
37.4374

■ 82.7112, 93.6243,
48.3658

85.4797, 95.1287,
61.7207

88.7354, 96.8295,
77.6364

92.5021, 98.7364,
96.2375

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



99.7621, 89.3483, 18.8518



75.9580, 89.3483, 17.6574



58.1935, 89.3483, 29.2516

Triad

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



75.9580, 89.3483, 17.6574



55.5324, 89.3483, 211.7397



135.5014, 89.3483, 143.3263

Complementary

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



75.9580, 89.3483, 17.6574



21.9820, 12.2266, 95.8085

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.



118.7924, 89.3483, 228.9085



75.9580, 89.3483, 17.6574



71.6334, 89.3483, 279.3350

Square

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



75.9580, 89.3483, 17.6574



47.9417, 89.3483, 126.4251



94.5668, 89.3483, 286.7633



137.2467, 89.3483, 73.0067

Rectangle

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



75.9580, 89.3483, 17.6574



50.9854, 89.3483, 48.1589



94.5668, 89.3483, 286.7633



131.3230, 89.3483, 171.8935

Sweetspot

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



75.9600, 89.3525, 17.6592



86.4285, 95.6310, 66.3370



43.9363, 25.0091, 7.8966



18.2618, 20.3432, 13.0436



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.



75.9600, 89.3525, 17.6592



74.9099, 88.3532, 13.9137



52.0093, 79.7991, 17.0776



19.5103, 20.9888, 19.1673



38.9695, 45.9502, 6.8154



3.8089, 4.5031, 0.6684

Inverse Universe

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



21.9820, 12.2266, 95.8085



18.8695, 8.3361, 95.2222



32.5815, 17.1891, 96.2077



17.0480, 17.4676, 22.7230



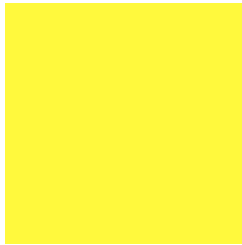
9.4956, 3.9009, 49.6870



0.9397, 0.4101, 4.8429

Previews

White Background



This preview shows how the XYZ color 75.9580, 89.3483, 17.6574 looks on a white background.

Color Contrast Check

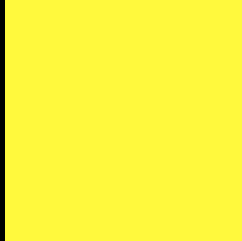
Large Text (above 18pt) WCAG AA × Fail

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 75.9580, 89.3483, 17.6574 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 75.9580, 89.3483, 17.6574

Background



This preview shows how black text looks on a background with the XYZ color 75.9580, 89.3483, 17.6574.



This preview shows how white text looks on a background with the XYZ color 75.9580, 89.3483,

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



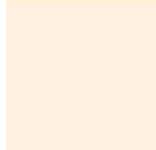
Original Color

75.9580, 89.3483, 17.6574



Protanopia

83.1409, 89.3013, 64.4846



Deuteranopia

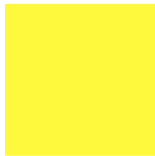
85.7194, 88.9079, 82.4551



Tritanopia

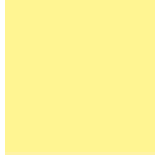
88.4491, 89.0629, 99.7179

Trichromacy



Original Color

75.9580, 89.3483, 17.6574



Protanomaly

79.0807, 88.6401, 40.1354



Deuteranomaly

79.9914, 88.0415, 47.8997



Tritanomaly

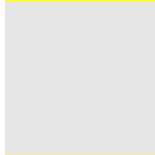
81.1288, 88.0189, 55.3612

Monochromacy



Original Color

75.9580, 89.3483, 17.6574



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.3232, 80.9952, 48.8676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9580, 89.3483, 17.6574 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, 249, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 61)  
}
```

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, 249, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 61) }
```

Border

The CSS property to change the border of an element to XYZ 75.9580, 89.3483, 17.6574 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, 249, 61) }
```


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

```
.border{ border-color:rgb(255, 249, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9580, 89.3483, 17.6574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 61) }
```

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

```
.background{ background-color: rgb(255,  
249, 61) }
```

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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