

Converting Colors

XYZ(75.8480, 89.6726, 19.6652)

Have a look what the booklet for
XYZ(75.8480, 89.6726, 19.6652)
contains.

XYZ(75.8962, 89.7349, 19.6237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.8962, 89.7349,
19.6237)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFA49
RGB	253, 250, 73
RGB Percent	99%, 98%, 29%
CMY	0.0078, 0.0196, 0.7137
CMYK	0.00, 0.01, 0.71, 0.01
HSL	59°, 98%, 64%
HSV	59°, 71%, 99%
XYZ	75.8962, 89.7349, 19.6237
YIQ	230.7190, 58.6050, -54.4110

Conversions

Conversions Part 2

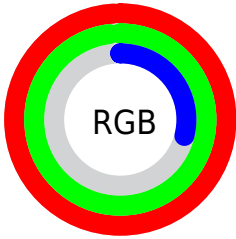
Format	Color
RYB	76, 253, 73
Decimal	16644681
CIELab	95.89, -18.40, 79.94
CIElCh	96, 82.026, 102.962
Yxy	89.7349, 0.4097, 0.4844
Android (android.graphics.Color)	4294834761 (0xFFFDFA49)
YUV	230.7190, -77.7555, 19.5404
Hunter-Lab	94.7285, -22.7612, 54.0276

Details

The XYZ color **75.8962, 89.7349, 19.6237** 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 **23.0620, 13.6772, 94.3523**, and the grayscale version is **76.2784, 80.2508, 87.3931**.

A 20% lighter version of the original color is **81.1649, 94.4459, 35.7818**, and **41.2841, 49.9210, 7.4598** is the 20% darker color. If you saturate the color by 10%, you get **75.0924, 89.2078, 16.0257**, and if you desaturate by 10%, it is **77.0454, 90.4073, 25.0209**.

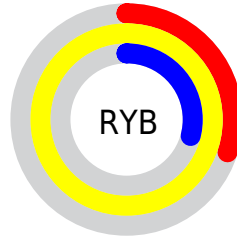
Distribution



Red (99%)

Green (98%)

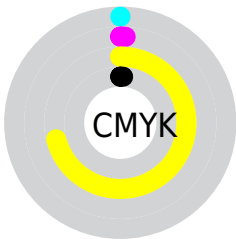
Blue (29%)



Red (30%)

Yellow (99%)

Blue (29%)

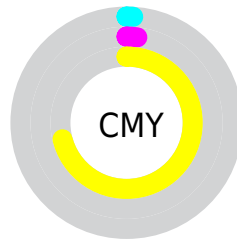


Cyan (0%)

Magenta (1%)

Yellow (71%)

Black (1%)



Cyan (1%)


Magenta (2%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8962, 89.7349, 19.6237 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 75.8962, 89.7349, 19.6237 by changing the saturation by 10% instead.


 75.8962, 89.7349,
19.6237

 75.8962, 89.7349,
19.6237


469.9422,
527.1681, 262.4071

 56.6442, 67.7608,
11.9405


 126.5613,
146.9701, 43.6360


 40.9586, 49.7032,
6.5811


 158.7051,
183.0000, 60.8022


 28.4743, 35.1776,
3.1271


 195.8768,
224.4839, 81.9664

 18.8258, 23.7997,
1.1599

 238.4418,
271.8063, 107.5472

 11.6477, 15.1851,
0.0000

 286.7655,
325.3515, 137.9631

 6.5748, 8.9494,
0.0000

341.2132,

 3.2416, 4.7082,

385.5040, 173.6327

0.0000

402.1503,
452.6480, 214.9746

■ 1.2828, 2.0771,
0.0000

■ 0.1703, 0.6517,
0.0000

■ 75.8962, 89.7349,
19.6237

■ 75.8962, 89.7349,
19.6237

■ 75.0924, 89.2078,
16.0257

■ 77.0454, 90.4073,
25.0209


■ 74.5834, 88.7958,
13.9881


■ 78.5707, 91.2273,
32.4060


■ 74.3195, 88.5060,
13.1663


■ 80.5062, 92.2118,
41.9500


■ 82.8807, 93.3723,
53.8041

 85.7203, 94.7194,
68.1060

 89.0491, 96.2626,
84.9825

 92.8895, 98.0110,
104.5516

 93.8005, 98.5880,
108.6933

 93.9337, 98.8544,
108.7377

Harmonies

Analogous

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



98.6877, 89.7349, 20.4210



75.8962, 89.7349, 19.6237



58.9362, 89.7349, 31.9343

Triad

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



75.8962, 89.7349, 19.6237



57.2422, 89.7349, 209.6408



134.0332, 89.7349, 138.9636

Complementary

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



75.8962, 89.7349, 19.6237



23.0620, 13.6772, 94.3523

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.



118.5204, 89.7349, 220.2411



75.8962, 89.7349, 19.6237



73.1639, 89.7349, 271.8851

Square

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



75.8962, 89.7349, 19.6237



49.5209, 89.7349, 128.4145



95.4293, 89.7349, 276.4489



135.1189, 89.7349, 72.3307

Rectangle

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



75.8962, 89.7349, 19.6237



52.1030, 89.7349, 51.2947



95.4293, 89.7349, 276.4489



130.2225, 89.7349, 166.0200

Sweetspot

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



75.8983, 89.7391, 19.6255



87.3123, 96.4516, 69.5515



44.1954, 26.1703, 9.5606



18.5067, 20.5592, 13.9689



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.



75.8983, 89.7391, 19.6255



76.2151, 90.6439, 15.3340



52.0543, 78.8385, 18.7782



19.5338, 21.0358, 19.1751



39.5471, 47.1054, 7.0079



3.8585, 4.6024, 0.6850

Inverse Universe

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



23.0620, 13.6772, 94.3523



19.6814, 9.2824, 95.3621



34.6102, 19.3316, 94.8351



17.0272, 17.4261, 22.7161



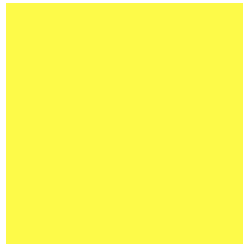
9.4660, 3.8416, 49.6772



0.9298, 0.3903, 4.8396

Previews

White Background



This preview shows how the XYZ color 75.8962, 89.7349, 19.6237 looks on a white background.

Color Contrast Check

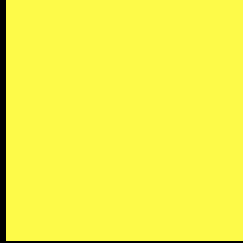
Large Text (above 18pt) WCAG AA × Fail

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 75.8962, 89.7349, 19.6237 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 75.8962, 89.7349, 19.6237

Background



This preview shows how black text looks on a background with the XYZ color 75.8962, 89.7349, 19.6237.



This preview shows how white text looks on a background with the XYZ color 75.8962, 89.7349,

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



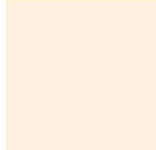
Original Color

75.8962, 89.7349, 19.6237



Protanopia

83.4836, 89.4384, 66.2894



Deuteranopia

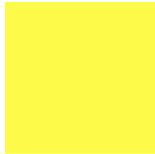
86.1498, 89.5524, 83.2658



Tritanopia

88.8950, 89.7084, 100.6259

Trichromacy



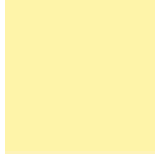
Original Color

75.8962, 89.7349, 19.6237



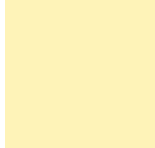
Protanomaly

79.5786, 89.2823, 43.1760



Deuteranomaly

80.3852, 88.6368, 50.4080



Tritanomaly

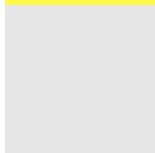
81.5754, 88.6327, 58.1557

Monochromacy



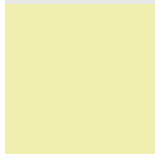
Original Color

75.8962, 89.7349, 19.6237



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 75.8962, 89.7349, 19.6237 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(253, 250, 73)` looks like.

```
.text, #text, p{  
    color:rgb(253, 250, 73)  
}
```

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(253, 250, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 250, 73) }
```

Border

The CSS property to change the border of an element to XYZ 75.8962, 89.7349, 19.6237 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(253, 250, 73) }
```


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

```
.border{ border-color:rgb(253, 250, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 250, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 250, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 250, 73);  
box-shadow:4px 4px 4px 4px rgb(253, 250,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8962, 89.7349, 19.6237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 250, 73) }
```

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

```
.background{ background-color: rgb(253,  
250, 73) }
```

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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