

Converting Colors

XYZ(74.6817, 91.5159, 16.8602)

Have a look what the booklet for
XYZ(74.6817, 91.5159, 16.8602)
contains.

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Color

**XYZ(74.7153, 91.5332,
16.8617)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FF33
RGB	247, 255, 51
RGB Percent	97%, 100%, 20%
CMY	0.0314, 0.0000, 0.8000
CMYK	0.03, 0.00, 0.80, 0.00
HSL	62°, 100%, 60%
HSV	62°, 80%, 100%
XYZ	74.7153, 91.5332, 16.8617
YIQ	229.3520, 60.7160, -65.1400

Conversions

Conversions Part 2

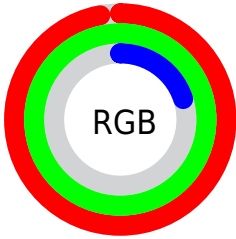
Format	Color
R _Y B	51, 255, 59
Decimal	16252723
CIE Lab	96.63, -24.02, 86.79
CIE LCh	97, 90.049, 105.469
Yxy	91.5332, 0.4080, 0.4999
Android (android.graphics.Color)	4294442803 (0xFF7FF33)
YUV	229.3520, -87.9275, 15.4773
Hunter-Lab	95.6730, -28.0291, 56.5216

Details

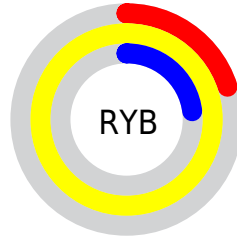
The XYZ color **74.7153, 91.5332, 16.8617** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.0385, 10.5187, 95.5292**, and the grayscale version is **75.3319, 79.2550, 86.3087**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **40.6731, 51.2860, 7.7555** is the 20% darker color. If you saturate the color by 10%, you get **73.9467, 91.1850, 14.6519**, and if you desaturate by 10%, it is **75.7934, 92.0052, 20.6948**.

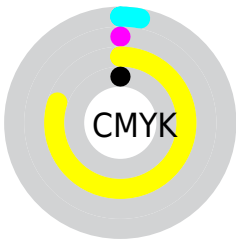
Distribution



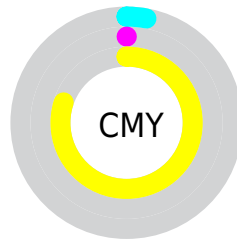
- Red (97%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (23%)



- Cyan (3%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.7153, 91.5332, 16.8617 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 74.7153, 91.5332, 16.8617 by changing the saturation by 10% instead.


 74.7153, 91.5332,
16.8617


 74.7153, 91.5332,
16.8617


465.9507,
533.0058, 246.3910


 55.6730, 69.2530,
9.9750


 124.8993,
149.4663, 38.8752

 40.1768, 50.9178,
5.2770


 156.7718,
185.8879, 54.8392


 27.8612, 36.1432,
2.3491


 193.6518,
227.7921, 74.6659

 18.3610, 24.5448,
0.7585

 235.9045,
275.5633, 98.7740

 11.3107, 15.7382,
0.0000

 283.8954,
329.5858, 127.5821

 6.3451, 9.3391,
0.0000

337.9899,

 3.0987, 4.9630,

390.2442, 161.5086

0.0000

398.5532,
457.9227, 200.9720

■ 1.2062, 2.2256,
0.0000

■ 0.1112, 0.7339,
0.0000

■ 74.7153, 91.5332,
16.8617

■ 74.7153, 91.5332,
16.8617

■ 73.9467, 91.1850,
14.6519

■ 75.7934, 92.0052,
20.6948

■ 73.4158, 90.9323,
13.6825

■ 77.2255, 92.6191,
26.3800

■ 73.4156, 90.9322,
13.6823

■ 79.0483, 93.3896,
34.1130

■ 81.2942, 94.3294,
44.0640

83.9920, 95.4503,
56.3853

87.1683, 96.7628,
71.2158

90.8473, 98.2765,
88.6837

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



99.7201, 91.5332, 16.6825



74.7153, 91.5332, 16.8617



56.8502, 91.5332, 30.6238

Triad

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



74.7153, 91.5332, 16.8617



57.2735, 91.5332, 234.7771



142.7813, 91.5332, 138.6551

Complementary

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



74.7153, 91.5332, 16.8617



21.0385, 10.5187, 95.5292

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.



126.2759, 91.5332, 231.9452



74.7153, 91.5332, 16.8617



75.4095, 91.5332, 303.1391

Square

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



74.7153, 91.5332, 16.8617



48.1853, 91.5332, 141.4072



100.5615, 91.5332, 301.9067



142.4959, 91.5332, 67.0688

Rectangle

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



74.7153, 91.5332, 16.8617



49.9711, 91.5332, 52.4713



100.5615, 91.5332, 301.9067



138.8919, 91.5332, 169.0222

Sweetspot

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



74.7152, 91.5331, 16.8629



85.8375, 96.2136, 64.9682



43.3412, 24.5060, 5.5789



18.1335, 20.4948, 12.7906



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.



74.7152, 91.5331, 16.8629



73.6112, 91.0266, 13.9831



48.2483, 77.8889, 15.6242



19.4866, 21.0523, 19.1808



38.3924, 47.5301, 7.1507



3.7592, 4.6387, 0.6972

Inverse Universe

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



21.0385, 10.5187, 95.5292



18.4452, 7.5881, 95.1002



33.6924, 17.0420, 96.1214



17.0689, 17.4117, 22.7111



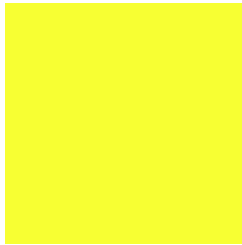
9.5254, 3.8210, 49.6701



0.9496, 0.3835, 4.8372

Previews

White Background



This preview shows how the XYZ color 74.7153, 91.5332, 16.8617 looks on a white background.

Color Contrast Check

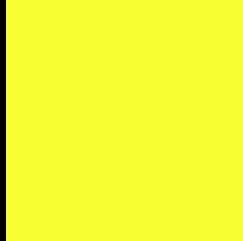
Large Text (above 18pt) WCAG AA × Fail

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 74.7153, 91.5332, 16.8617 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 74.7153, 91.5332, 16.8617

Background



This preview shows how black text looks on a background with the XYZ color 74.7153, 91.5332, 16.8617.

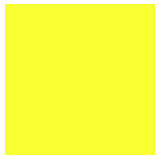


This preview shows how white text looks on a background with the XYZ color 74.7153, 91.5332,

Color Blindness Simulation

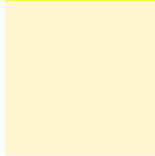
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



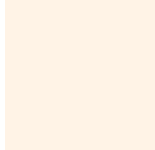
Original Color

74.7153, 91.5332, 16.8617



Protanopia

85.2776, 91.1189, 72.7676



Deuteranopia

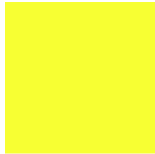
87.5735, 91.0744, 87.8264



Tritanopia

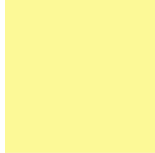
90.1079, 91.1356, 104.1085

Trichromacy



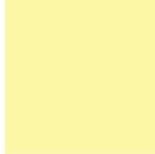
Original Color

74.7153, 91.5332, 16.8617



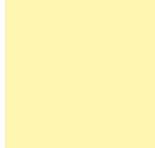
Protanomaly

79.6065, 90.6812, 42.5857



Deuteranomaly

80.1972, 89.9336, 48.7294



Tritanomaly

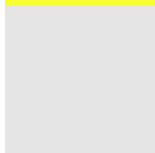
81.1365, 89.8213, 55.1804

Monochromacy



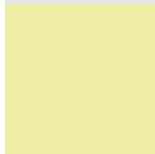
Original Color

74.7153, 91.5332, 16.8617



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.8674, 81.6623, 47.0965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.7153, 91.5332, 16.8617 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(247, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 51)  
}
```

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(247, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 74.7153, 91.5332, 16.8617 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(247, 255, 51) }
```


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

```
.border{ border-color:rgb(247, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 74.7153, 91.5332, 16.8617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 51) }
```

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

```
.background{ background-color: rgb(247,  
255, 51) }
```

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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