

Converting Colors

XYZ(74.7449, 87.2184, 16.3396)

Have a look what the booklet for
XYZ(74.7449, 87.2184, 16.3396)
contains.

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Color

**XYZ(74.8616, 87.4379,
16.4216)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF636
RGB	255, 246, 54
RGB Percent	100%, 96%, 21%
CMY	0.0000, 0.0353, 0.7882
CMYK	0.00, 0.04, 0.79, 0.00
HSL	57°, 100%, 61%
HSV	57°, 79%, 100%
XYZ	74.8616, 87.4379, 16.4216
YIQ	226.8030, 66.9960, -57.8040

Conversions

Conversions Part 2

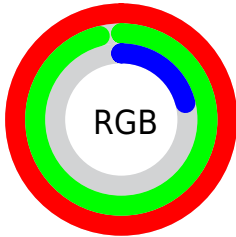
Format	Color
R _Y B	63, 255, 54
Decimal	16774710
CIE Lab	94.92, -16.37, 84.79
CIE LCh	95, 86.354, 100.925
Yxy	87.4379, 0.4189, 0.4892
Android (android.graphics.Color)	4294964790 (0xFFFFFFFF636)
YUV	226.8030, -85.1919, 24.7288
Hunter-Lab	93.5082, -20.7344, 55.0435

Details

The XYZ color **74.8616, 87.4379, 16.4216** 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 **21.3492, 11.5596, 95.7129**, and the grayscale version is **73.4386, 77.2632, 84.1396**.

A 20% lighter version of the original color is **80.2109, 94.0644, 30.7583**, and **40.6616, 48.2962, 7.1790** is the 20% darker color. If you saturate the color by 10%, you get **74.0673, 86.5700, 13.9367**, and if you desaturate by 10%, it is **75.9755, 88.4437, 20.5616**.

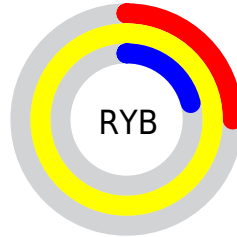
Distribution



Red (100%)

Green (96%)

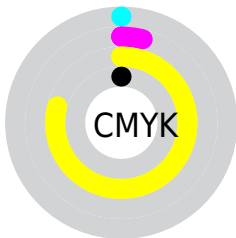
Blue (21%)



Red (25%)

Yellow (100%)

Blue (21%)

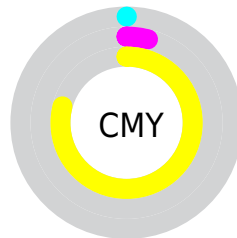


Cyan (0%)

Magenta (4%)

Yellow (79%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8616, 87.4379, 16.4216 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 74.8616, 87.4379, 16.4216 by changing the saturation by 10% instead.


 74.8616, 87.4379,
16.4216


 74.8616, 87.4379,
16.4216


466.4462,
519.6607, 243.7469


 55.7933, 65.8577,
9.6654


 125.1054,
143.7743, 38.1055

 40.2736, 48.1569,
5.0750


 157.0116,
179.2993, 53.8703


 27.9371, 33.9511,
2.2318


 193.9278,
220.2413, 73.4750

 18.4184, 22.8561,
0.6926

 236.2193,
266.9848, 97.3383

 11.3523, 14.4873,
0.0000

 284.2516,
319.9140, 125.8785

 6.3734, 8.4603,
0.0000

338.3899,

 3.1162, 4.3909,

379.4135, 159.5144

0.0000

398.9997,
445.8676, 198.6643

■ 1.2155, 1.8945,
0.0000

■ 0.1186, 0.5451,
0.0000

■ 74.8616, 87.4379,
16.4216

■ 74.8616, 87.4379,
16.4216

■ 74.0673, 86.5700,
13.9367

■ 75.9755, 88.4437,
20.5616

■ 73.5242, 85.8026,
12.7728

■ 77.4461, 89.5923,
26.5781

■ 73.4673, 85.7151,
12.6725

■ 79.3117, 90.9024,
34.6642

■ 81.6042, 92.3866,
44.9876

■ 84.3522, 94.0564,
57.6989

■ 87.5817, 95.9224,
72.9356

■ 91.3170, 97.9940,
90.8247

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



98.7090, 87.4379, 17.9359



74.8616, 87.4379, 16.4216



56.9614, 87.4379, 27.2268

Triad

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



74.8616, 87.4379, 16.4216



53.5154, 87.4379, 207.1367



133.3426, 87.4379, 143.8762

Complementary

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



74.8616, 87.4379, 16.4216



21.3492, 11.5596, 95.7129

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.



116.2328, 87.4379, 229.6693



74.8616, 87.4379, 16.4216



69.2424, 87.4379, 276.4975

Square

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



74.8616, 87.4379, 16.4216



46.2702, 87.4379, 121.7979



91.9369, 87.4379, 286.2670



135.6257, 87.4379, 72.7954

Rectangle

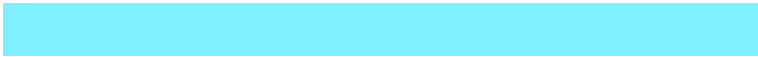
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.8616, 87.4379, 16.4216



49.6368, 87.4379, 45.2801



91.9369, 87.4379, 286.2670



129.0022, 87.4379, 172.6326

Sweetspot

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



74.8636, 87.4420, 16.4234



85.8479, 94.9315, 64.7202



43.4863, 24.2698, 7.2518



18.1361, 20.1800, 12.7297



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.



74.8636, 87.4420, 16.4234



73.7105, 86.0873, 13.1039



51.8501, 79.7373, 16.1492



19.4875, 20.9431, 19.1597



38.4192, 44.8495, 6.6319



3.7614, 4.4082, 0.6526

Inverse Universe

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



21.3492, 11.5596, 95.7129



18.5305, 7.9401, 95.1637



30.9506, 15.8294, 96.0310



17.0682, 17.5080, 22.7297



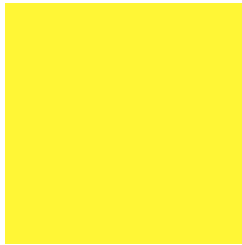
9.5244, 3.9583, 49.6966



0.9493, 0.4292, 4.8461

Previews

White Background



This preview shows how the XYZ color 74.8616, 87.4379, 16.4216 looks on a white background.

Color Contrast Check

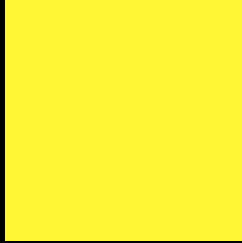
Large Text (above 18pt) WCAG AA × Fail

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 74.8616, 87.4379, 16.4216 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 74.8616, 87.4379, 16.4216

Background



This preview shows how black text looks on a background with the XYZ color 74.8616, 87.4379, 16.4216.

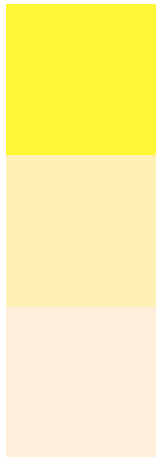


This preview shows how white text looks on a background with the XYZ color 74.8616, 87.4379,

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

74.8616, 87.4379, 16.4216

Protanopia

81.1388, 87.5480, 56.8779

Deuteranopia

84.3389, 87.4188, 78.0740



Tritanopia

87.2775, 87.2083, 97.8208

Trichromacy



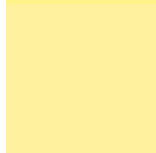
Original Color

74.8616, 87.4379, 16.4216



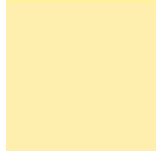
Protanomaly

77.6638, 87.1105, 35.6424



Deuteranomaly

78.8669, 86.6392, 44.9141



Tritanomaly

79.8444, 86.0881, 52.9659

Monochromacy



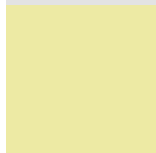
Original Color

74.8616, 87.4379, 16.4216



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.0487, 79.5305, 46.7282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8616, 87.4379, 16.4216 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, 246, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 54)  
}
```

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, 246, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 54) }
```

Border

The CSS property to change the border of an element to XYZ 74.8616, 87.4379, 16.4216 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, 246, 54) }
```


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

```
.border{ border-color:rgb(255, 246, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8616, 87.4379, 16.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 54) }
```

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

```
.background{ background-color: rgb(255,  
246, 54) }
```

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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