

Converting Colors

XYZ(73.4441, 84.3109, 16.8509)

Have a look what the booklet for
XYZ(73.4441, 84.3109, 16.8509)
contains.

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Color

**XYZ(73.5376, 84.5075,
16.8506)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF13D
RGB	255, 241, 61
RGB Percent	100%, 95%, 24%
CMY	0.0000, 0.0549, 0.7608
CMYK	0.00, 0.05, 0.76, 0.00
HSL	56°, 100%, 62%
HSV	56°, 76%, 100%
XYZ	73.5376, 84.5075, 16.8506
YIQ	224.6660, 66.1240, -53.0120

Conversions

Conversions Part 2

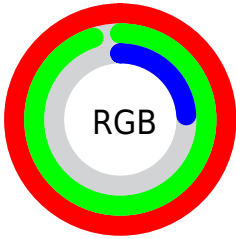
Format	Color
RYB	76, 255, 61
Decimal	16773437
CIELab	93.67, -13.70, 81.71
CIELCh	94, 82.850, 99.520
Yxy	84.5075, 0.4205, 0.4832
Android (android.graphics.Color)	4294963517 (0xFFFFF13D)
YUV	224.6660, -80.6873, 26.6029
Hunter-Lab	91.9280, -18.0832, 53.4816

Details

The XYZ color **73.5376, 84.5075, 16.8506** 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 **22.4908, 13.2444, 95.9781**, and the grayscale version is **71.8582, 75.6005, 82.3289**.

A 20% lighter version of the original color is **80.5129, 94.1851, 32.3484**, and **39.5971, 46.1673, 6.8242** is the 20% darker color. If you saturate the color by 10%, you get **72.4663, 83.2154, 13.8727**, and if you desaturate by 10%, it is **74.9445, 85.9491, 21.5515**.

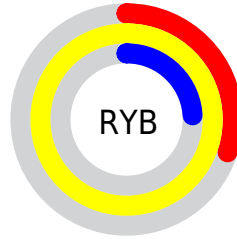
Distribution



Red (100%)

Green (95%)

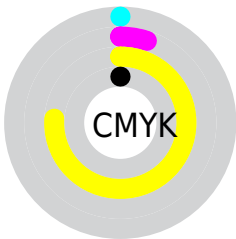
Blue (24%)



Red (30%)

Yellow (100%)

Blue (24%)

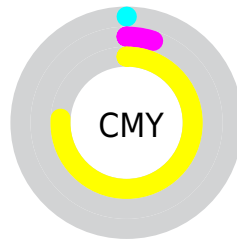


Cyan (0%)

Magenta (5%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.5376, 84.5075, 16.8506 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 73.5376, 84.5075, 16.8506 by changing the saturation by 10% instead.


 73.5376, 84.5075,
16.8506


 73.5376, 84.5075,
16.8506


461.9509,
509.9970, 246.3247


 54.7056, 63.4345,
9.9672


 123.2391,
139.6849, 38.8559

 39.3990, 46.1928,
5.2719


 154.8394,
174.5581, 54.8148


 27.2524, 32.3980,
2.3461


 191.4264,
214.8001, 74.6360

 17.9004, 21.6657,
0.7569

 233.3656,
260.7954, 98.7380

 10.9778, 13.6115,
0.0000

 281.0223,
312.9283, 127.5393

 6.1191, 7.8509,
0.0000

334.7618,

 2.9590, 3.9997,

371.5833, 161.4585

0.0000

394.9496,
437.1447, 200.9141

■ 1.1321, 1.6734,
0.0000

■ 0.0517, 0.4063,
0.0000

■ 73.5376, 84.5075,
16.8506

■ 73.5376, 84.5075,
16.8506

■ 72.4663, 83.2154,
13.8727

■ 74.9445, 85.9491,
21.5515

■ 71.6739, 82.0404,
12.3451

■ 76.7220, 87.5445,
28.1854

■ 71.4101, 81.6006,
11.9868

■ 78.9071, 89.3117,
36.9381

■ 81.5306, 91.2633,
47.9721

■ 84.6204, 93.4102,
61.4340

■ 88.2019, 95.7627,
77.4582

■ 92.2990, 98.3304,
96.1694

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.



96.0229, 84.5075, 18.8533



73.5376, 84.5075, 16.8506



56.3333, 84.5075, 26.6953

Triad

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



73.5376, 84.5075, 16.8506



51.9496, 84.5075, 192.4347



126.7361, 84.5075, 141.1521

Complementary

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



73.5376, 84.5075, 16.8506



22.4908, 13.2444, 95.9781

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.



110.3049, 84.5075, 220.4049



73.5376, 84.5075, 16.8506



66.4330, 84.5075, 258.1910

Square

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



73.5376, 84.5075, 16.8506



45.4556, 84.5075, 113.5027



87.5110, 84.5075, 270.2697



129.5868, 84.5075, 73.4251

Rectangle

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



73.5376, 84.5075, 16.8506



49.1463, 84.5075, 43.2885



87.5110, 84.5075, 270.2697



122.4921, 84.5075, 168.0108

Sweetspot

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



73.5395, 84.5115, 16.8523



85.6690, 94.1120, 66.0839



44.2545, 25.1364, 9.5726



18.0742, 19.9680, 12.9810



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.



73.5395, 84.5115, 16.8523



72.0452, 82.6237, 12.9588



54.0955, 80.8746, 17.1751



19.4425, 20.8531, 19.1447



37.3610, 42.7333, 6.2792



3.6699, 4.2252, 0.6221

Inverse Universe

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



22.4908, 13.2444, 95.9781



19.1505, 8.8982, 95.3159



30.8464, 16.2946, 96.1265



17.1082, 17.5880, 22.7431



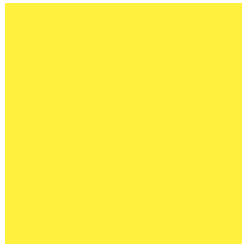
9.5858, 4.0812, 49.7171



0.9682, 0.4671, 4.8524

Previews

White Background



This preview shows how the XYZ color 73.5376, 84.5075, 16.8506 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 73.5376, 84.5075, 16.8506 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 73.5376, 84.5075, 16.8506

Background



This preview shows how black text looks on a background with the XYZ color 73.5376, 84.5075, 16.8506.

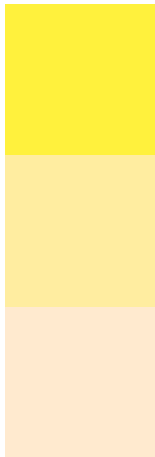


This preview shows how white text looks on a background with the XYZ color 73.5376, 84.5075,

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

73.5376, 84.5075, 16.8506

Protanopia

77.8694, 84.3664, 45.4379

Deuteranopia

81.9253, 84.6106, 71.0450



Tritanopia

85.2650, 84.1449, 94.1857

Trichromacy



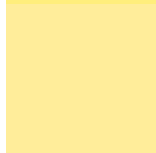
Original Color

73.5376, 84.5075, 16.8506



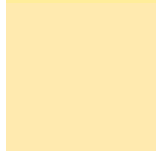
Protanomaly

75.4526, 83.8643, 31.2794



Deuteranomaly

77.3569, 84.1615, 42.7395



Tritanomaly

78.4007, 83.2008, 52.4846

Monochromacy



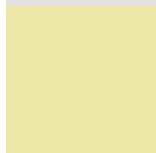
Original Color

73.5376, 84.5075, 16.8506



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.9595, 77.7013, 46.9079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.5376, 84.5075, 16.8506 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, 241, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 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, 241, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 61) }
```

Border

The CSS property to change the border of an element to XYZ 73.5376, 84.5075, 16.8506 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, 241, 61) }
```


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

```
.border{ border-color:rgb(255, 241, 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, 241, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 73.5376, 84.5075, 16.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 61) }
```

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

```
.background{ background-color: rgb(255,  
241, 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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