

Converting Colors

XYZ(72.2778, 84.1372, 16.3496)

Have a look what the booklet for
XYZ(72.2778, 84.1372, 16.3496)
contains.

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Color

**XYZ(72.2743, 84.3089,
16.3349)**

Conversions

Conversions Part 1

Format	Color
Hex	FBF239
RGB	251, 242, 57
RGB Percent	98%, 95%, 22%
CMY	0.0157, 0.0510, 0.7764
CMYK	0.00, 0.04, 0.77, 0.02
HSL	57°, 96%, 60%
HSV	57°, 77%, 98%
XYZ	72.2743, 84.3089, 16.3349
YIQ	223.6010, 64.7490, -55.6270

Conversions

Conversions Part 2

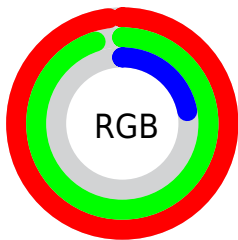
Format	Color
RYB	66, 251, 57
Decimal	16511545
CIELab	93.58, -15.98, 82.67
CIElCh	94, 84.197, 100.938
Yxy	84.3089, 0.4180, 0.4876
Android (android.graphics.Color)	4294701625 (0xFFFBF239)
YUV	223.6010, -82.1343, 24.0289
Hunter-Lab	91.8199, -20.1818, 53.7261

Details

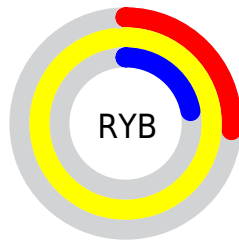
The XYZ color **72.2743, 84.3089, 16.3349** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.0485, 11.7316, 92.4211**, and the grayscale version is **71.1043, 74.8072, 81.4651**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **38.7941, 46.0650, 6.8468** is the 20% darker color. If you saturate the color by 10%, you get **71.4517, 83.4307, 13.6978**, and if you desaturate by 10%, it is **73.4120, 85.3231, 20.6040**.

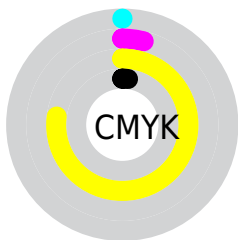
Distribution



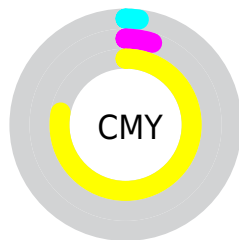
- Red (98%)
- Green (95%)
- Blue (22%)



- Red (26%)
- Yellow (98%)
- Blue (22%)



- Cyan (0%)
- Magenta (4%)
- Yellow (77%)
- Black (2%)





- Cyan (2%)
- Magenta (5%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2743, 84.3089, 16.3349 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 72.2743, 84.3089, 16.3349 by changing the saturation by 10% instead.


 72.2743, 84.3089,
16.3349


 72.2743, 84.3089,
16.3349


457.6386,
509.3385, 243.2227

 53.6690, 63.2705,
9.6045


 121.4551,
139.4072, 37.9535

 38.5667, 46.0601,
5.0354


 152.7614,
174.2359, 53.6788


 26.6021, 32.2932,
2.2089


 189.0321,
214.4301, 73.2395

 17.4096, 21.5856,
0.6795

 230.6325,
260.3743, 97.0541

 10.6241, 13.5527,
0.0000

 277.9280,
312.4529, 125.5412

 5.8801, 7.8102,
0.0000

331.2839,

 2.8123, 3.9738,

371.0501, 159.1193

0.0000

391.0657,
436.5505, 198.2069

■ 1.0553, 1.6589,
0.0000

■ 0.0000, 0.3968,
0.0000

■ 72.2743, 84.3089,
16.3349

■ 72.2743, 84.3089,
16.3349

■ 71.4517, 83.4307,
13.6978

■ 73.4120, 85.3231,
20.6040


■ 70.8866, 82.6558,
12.4136


■ 74.8994, 86.4774,
26.7116


■ 70.7566, 82.4555,
12.1862


■ 76.7724, 87.7896,
34.8392


■ 79.0612, 89.2716,
45.1453

 81.7928, 90.9343,
57.7727

 84.9922, 92.7876,
72.8520

 88.6822, 94.8408,
90.5040

 92.4289, 96.9202,
108.4437

 92.7941, 97.6506,
108.5654

Harmonies

Analogous

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



94.9590, 84.3089, 17.8005



72.2743, 84.3089, 16.3349



55.2068, 84.3089, 26.7966

Triad

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



72.2743, 84.3089, 16.3349



51.9251, 84.3089, 197.9771



127.8419, 84.3089, 137.9962

Complementary

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



72.2743, 84.3089, 16.3349



21.0485, 11.7316, 92.4211

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.



111.6183, 84.3089, 219.2187



72.2743, 84.3089, 16.3349



66.9367, 84.3089, 263.5082

Square

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



72.2743, 84.3089, 16.3349



44.9936, 84.3089, 117.1081



88.5418, 84.3089, 272.7032



129.9995, 84.3089, 70.4258

Rectangle

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



72.2743, 84.3089, 16.3349



48.2096, 84.3089, 44.1569



88.5418, 84.3089, 272.7032



123.7286, 84.3089, 165.2490

Sweetspot

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



72.2762, 84.3129, 16.3366



86.1425, 95.0591, 66.2417



42.2513, 23.8379, 7.6386



18.1912, 20.2019, 13.0200



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.



72.2762, 84.3129, 16.3366



73.7008, 86.0088, 13.2828



50.4843, 77.1503, 16.1027



18.6544, 20.0446, 18.3482



37.2237, 43.4040, 6.4159



3.4682, 4.0613, 0.6011

Inverse Universe

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



21.0485, 11.7316, 92.4211



18.7322, 8.2182, 95.2067



30.4308, 15.8488, 92.7213



16.3476, 16.7719, 21.7610



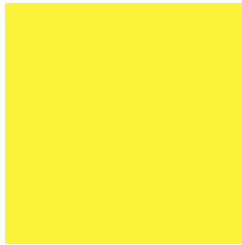
9.2477, 3.8510, 48.2295



0.8785, 0.4007, 4.4742

Previews

White Background



This preview shows how the XYZ color 72.2743, 84.3089, 16.3349 looks on a white background.

Color Contrast Check

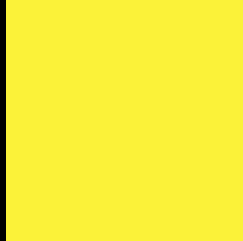
Large Text (above 18pt) WCAG AA × Fail

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 72.2743, 84.3089, 16.3349 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 72.2743, 84.3089, 16.3349

Background



This preview shows how black text looks on a background with the XYZ color 72.2743, 84.3089, 16.3349.

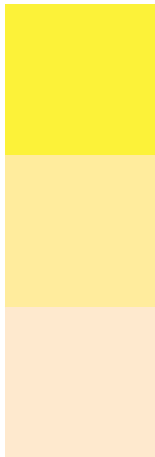


This preview shows how white text looks on a background with the XYZ color 72.2743, 84.3089,

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

72.2743, 84.3089, 16.3349

Protanopia

77.6100, 84.2627, 44.0721

Deuteranopia

81.5195, 83.9941, 70.3085



Tritanopia

85.4140, 84.2045, 94.9704

Trichromacy



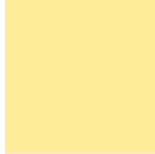
Original Color

72.2743, 84.3089, 16.3349



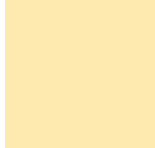
Protanomaly

75.1907, 84.1843, 30.3754



Deuteranomaly

76.5360, 83.3287, 41.7559



Tritanomaly

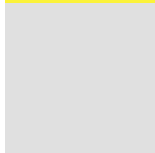
77.9359, 82.9725, 51.9520

Monochromacy



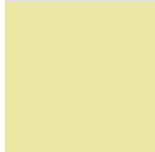
Original Color

72.2743, 84.3089, 16.3349



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

69.1185, 77.2886, 45.9256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2743, 84.3089, 16.3349 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(251, 242, 57)` looks like.

```
.text, #text, p{  
    color:rgb(251, 242, 57)  
}
```

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(251, 242, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 242, 57) }
```

Border

The CSS property to change the border of an element to XYZ 72.2743, 84.3089, 16.3349 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(251, 242, 57) }
```


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

```
.border{ border-color:rgb(251, 242, 57) }
```

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

Here you see how a box with a 4 pixel rgb(251, 242, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 242, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 242, 57);  
box-shadow:4px 4px 4px 4px rgb(251, 242,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2743, 84.3089, 16.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 242, 57) }
```

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

```
.background{ background-color: rgb(251,  
242, 57) }
```

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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