

Converting Colors

XYZ(72.2619, 76.5847, 32.9845)

Have a look what the booklet for
XYZ(72.2619, 76.5847, 32.9845)
contains.

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Color

**XYZ(72.3989, 76.8039,
33.1991)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE185
RGB	255, 225, 133
RGB Percent	100%, 88%, 52%
CMY	0.0000, 0.1176, 0.4784
CMYK	0.00, 0.12, 0.48, 0.00
HSL	45°, 100%, 76%
HSV	45°, 48%, 100%
XYZ	72.3989, 76.8039, 33.1991
YIQ	223.4820, 47.4120, -22.2520

Conversions

Conversions Part 2

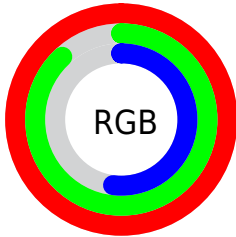
Format	Color
R _Y B	173, 255, 133
Decimal	16769413
CIE Lab	90.23, -1.26, 48.54
CIE LCh	90, 48.561, 91.487
Yxy	76.8039, 0.3969, 0.4211
Android (android.graphics.Color)	4294959493 (0xFFFFE185)
YUV	223.4820, -44.6076, 27.6413
Hunter-Lab	87.6378, -5.9047, 38.8862

Details

The XYZ color **72.3989, 76.8039, 33.1991** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.8197, 38.3997, 99.8680**, and the grayscale version is **70.7679, 74.4534, 81.0797**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **38.6249, 41.0793, 13.6779** is the 20% darker color. If you saturate the color by 10%, you get **69.1834, 72.8582, 24.4657**, and if you desaturate by 10%, it is **76.1080, 81.0523, 44.2084**.

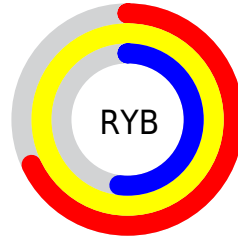
Distribution



Red (100%)

Green (88%)

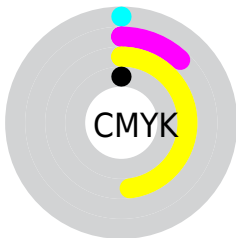
Blue (52%)



Red (68%)

Yellow (100%)

Blue (52%)

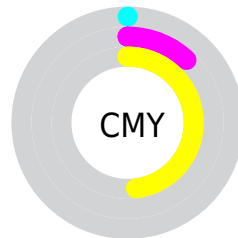


Cyan (0%)

Magenta (12%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3989, 76.8039, 33.1991 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 72.3989, 76.8039, 33.1991 by changing the saturation by 10% instead.


 72.3989, 76.8039,
33.1991

 72.3989, 76.8039,
33.1991


458.0649,
484.0952, 331.2054


 53.7712, 57.0919,
22.0066


 121.6312,
128.8626, 65.8058

 38.6487, 41.0791,
13.6634


 152.9666,
161.9782, 88.0572

 26.6661, 28.3809,
7.7509


 189.2686,
200.3304, 114.8320

 17.4579, 18.6130,
3.8505

230.9025,
244.3037, 146.5486

 10.6588, 11.3909,
1.5437

278.2337,
294.2824, 183.6258

 5.9035, 6.3304,
0.2502

331.6277,

 2.8266, 3.0470,

350.6509, 226.4819

0.0000

391.4496,
413.7937, 275.5356

■ 1.0627, 1.1563,
0.0000

■ 0.0000, 0.0256,
0.0000

■ 72.3989, 76.8039,
33.1991

■ 72.3989, 76.8039,
33.1991

■ 69.1834, 72.8582,
24.4657

■ 76.1080, 81.0523,
44.2084

■ 66.4237, 69.1906,
17.8374

■ 80.3342, 85.6052,
57.6382

■ 64.0853, 65.7889,
13.1270

■ 85.1057, 90.4780,
73.6268

■ 62.1253, 62.6349,
10.1119

■ 90.4473, 95.6814,
92.3005

■ 60.4864, 59.7047, 95.0499, 100.0000,
8.4942 108.9000

■ 60.1572, 59.0945,
8.2358

Harmonies

Analogous

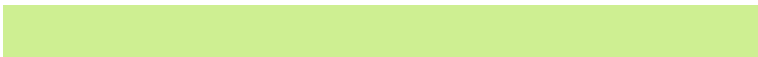
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6577, 76.8039, 37.7374



72.3989, 76.8039, 33.1991



61.5286, 76.8039, 38.7618

Triad

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



72.3989, 76.8039, 33.1991



54.9311, 76.8039, 123.4010



95.3693, 76.8039, 119.5673

Complementary

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



72.3989, 76.8039, 33.1991



40.8197, 38.3997, 99.8680

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.



85.8149, 76.8039, 154.1405



72.3989, 76.8039, 33.1991



62.4645, 76.8039, 156.7494

Square

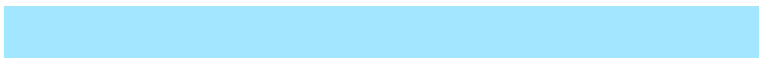
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3989, 76.8039, 33.1991



52.1565, 76.8039, 85.3640



73.6040, 76.8039, 169.3015



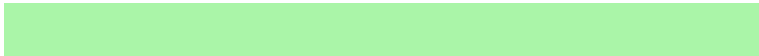
98.7661, 76.8039, 81.9125

Rectangle

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



72.3989, 76.8039, 33.1991



56.2929, 76.8039, 48.6687



73.6040, 76.8039, 169.3015



92.7228, 76.8039, 132.2607

Sweetspot

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



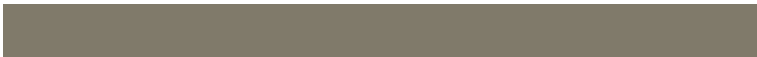
72.4008, 76.8075, 33.2007



87.0894, 92.4376, 80.4772



56.2838, 40.6981, 39.7756



18.4001, 19.5486, 16.3915



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.



72.4008, 76.8075, 33.2007



69.4363, 73.1798, 25.1176



70.8896, 89.1408, 35.6609



19.1607, 20.2896, 19.0507



31.5571, 31.1253, 4.3446



3.1582, 3.2018, 0.4516

Inverse Universe

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



40.8197, 38.3997, 99.8680



34.6212, 30.8811, 98.7437



41.6451, 31.8354, 98.5575



17.3657, 18.1030, 22.8289



10.4488, 5.8072, 50.0048



1.0988, 0.7283, 4.8959

Previews

White Background



This preview shows how the XYZ color 72.3989, 76.8039, 33.1991 looks on a white background.

Color Contrast Check

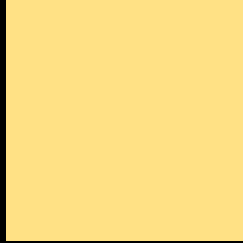
Large Text (above 18pt) WCAG AA × Fail

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 72.3989, 76.8039, 33.1991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

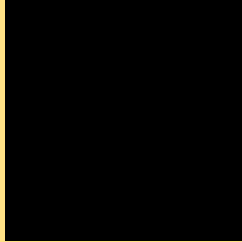
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3989, 76.8039, 33.1991

Background



This preview shows how black text looks on a background with the XYZ color 72.3989, 76.8039, 33.1991.



This preview shows how white text looks on a background with the XYZ color 72.3989, 76.8039,

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

72.3989, 76.8039, 33.1991

Protanopia

70.8391, 76.7991, 33.6444

Deuteranopia

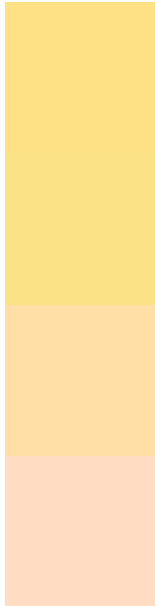
76.0130, 76.9632, 56.1965



Tritanopia

80.1957, 76.5429, 84.6762

Trichromacy



Original Color

72.3989, 76.8039, 33.1991

Protanomaly

71.2831, 76.6232, 33.5870

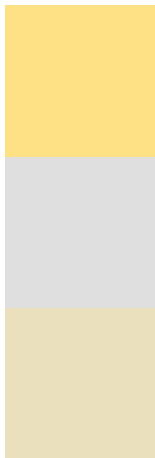
Deuteranomaly

74.4192, 76.7520, 46.4896

Tritanomaly

76.5708, 76.3414, 61.7386

Monochromacy



Original Color

72.3989, 76.8039, 33.1991

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.2109, 74.6912, 59.4315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3989, 76.8039, 33.1991 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, 225, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 133)  
}
```

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, 225, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 133) }
```

Border

The CSS property to change the border of an element to XYZ 72.3989, 76.8039, 33.1991 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, 225, 133) }
```


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

```
.border{ border-color:rgb(255, 225, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3989, 76.8039, 33.1991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 133) }
```

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

```
.background{ background-color: rgb(255,  
225, 133) }
```

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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