

Converting Colors

XYZ(123.3111, 100.0000,
35.5270)

Have a look what the booklet for
XYZ(123.3111, 100.0000, 35.5270)
contains.

XYZ(70.3559, 72.6069, 32.8606)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.3559, 72.6069,
32.8606)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD986
RGB	255, 217, 134
RGB Percent	100%, 85%, 53%
CMY	0.0000, 0.1490, 0.4745
CMYK	0.00, 0.15, 0.47, 0.00
HSL	41°, 100%, 76%
HSV	41°, 47%, 100%
XYZ	70.3559, 72.6069, 32.8606
YIQ	218.9000, 49.2910, -17.7570

Conversions

Conversions Part 2

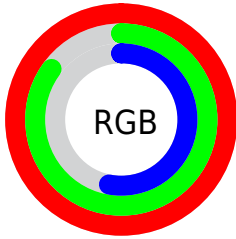
Format	Color
RYB	189, 255, 134
Decimal	16767366
CIELab	88.26, 2.90, 45.61
CIELCh	88, 45.697, 86.360
Yxy	72.6069, 0.4002, 0.4130
Android (android.graphics.Color)	4294957446 (0xFFFFD986)
YUV	218.9000, -41.8557, 31.6597
Hunter-Lab	85.2097, -1.7331, 36.7819

Details

The XYZ color **70.3559, 72.6069, 32.8606** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.6335, 41.7918, 100.4271**, and the grayscale version is **67.5213, 71.0377, 77.3600**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **37.2083, 38.1856, 13.3921** is the 20% darker color. If you saturate the color by 10%, you get **66.7738, 67.9541, 23.9250**, and if you desaturate by 10%, it is **74.4705, 77.6384, 44.0906**.

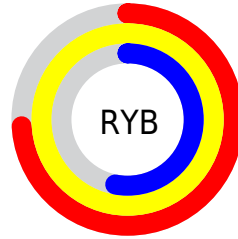
Distribution



Red (100%)

Green (85%)

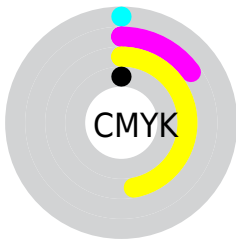
Blue (53%)



Red (74%)

Yellow (100%)

Blue (53%)

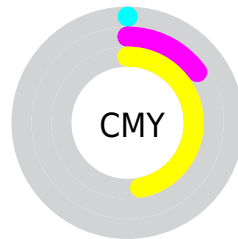


Cyan (0%)

Magenta (15%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3559, 72.6069, 32.8606 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 70.3559, 72.6069, 32.8606 by changing the saturation by 10% instead.


 70.3559, 72.6069,
32.8606

 70.3559, 72.6069,
32.8606


451.0456,
469.6513, 329.6338


 52.0974, 53.6546,
21.7494


 118.7397,
122.9190, 65.2713

 37.3073, 38.3256,
13.4764


 149.5956,
155.0476, 87.4080

 25.6203, 26.2355,
7.6228


 185.3814,
192.3370, 114.0569

 16.6710, 16.9999,
3.7703

226.4624,
235.1717, 145.6365

 10.0940, 10.2344,
1.5002

273.2040,
283.9361, 182.5655

 5.5241, 5.5547,
0.2181

325.9714,

 2.5958, 2.5762,

339.0146, 225.2624

0.0000

385.1302,
400.7915, 274.1456

■ 0.9438, 0.9147,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.3559, 72.6069,
32.8606

■ 70.3559, 72.6069,
32.8606

■ 66.7738, 67.9541,
23.9250

■ 74.4705, 77.6384,
44.0906

■ 63.6862, 63.6543,
17.1140

■ 79.1418, 83.0523,
57.7597

■ 61.0578, 59.6940,
12.2409

■ 84.3989, 88.8650,
74.0057

■ 58.8451, 56.0532,
9.0846

■ 90.2669, 95.0889,
92.9550

■ 56.9920, 52.7073,
7.3564

95.0499, 99.9999,
108.9000

■ 56.5562, 51.8926,
7.0354

Harmonies

Analogous

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



81.3424, 72.6069, 38.7354



70.3559, 72.6069, 32.8606



60.0790, 72.6069, 36.4047

Triad

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



70.3559, 72.6069, 32.8606



51.8139, 72.6069, 108.9621



88.0630, 72.6069, 117.3812

Complementary

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



70.3559, 72.6069, 32.8606



42.6335, 41.7918, 100.4271

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.



78.7864, 72.6069, 146.3193



70.3559, 72.6069, 32.8606



57.9929, 72.6069, 140.6245

Square

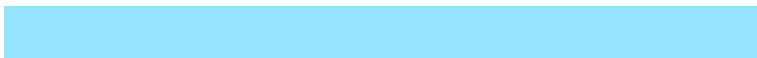
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3559, 72.6069, 32.8606



50.0609, 72.6069, 75.2902



67.6827, 72.6069, 155.7832



92.2246, 72.6069, 82.9465

Rectangle

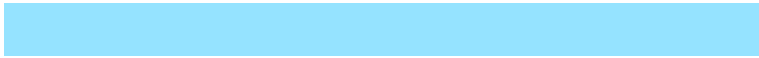
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3559, 72.6069, 32.8606



54.8691, 72.6069, 44.3205



67.6827, 72.6069, 155.7832



85.3946, 72.6069, 128.3924

Sweetspot

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



70.3577, 72.6103, 32.8621



86.3533, 90.9655, 80.2319



57.2423, 41.3016, 44.1451



18.2197, 19.1880, 16.3314



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.



70.3577, 72.6103, 32.8621



66.9244, 68.1560, 24.2803



73.6076, 90.5339, 36.1504



19.0519, 20.0720, 19.0145



29.6917, 27.3945, 3.7228



2.9889, 2.8631, 0.3951

Inverse Universe

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



42.6335, 41.7918, 100.4271



36.2066, 34.0519, 99.2721



40.3215, 31.3572, 98.5348



17.4684, 18.3083, 22.8631



11.0501, 7.0098, 50.2052



1.1688, 0.8683, 4.9193

Previews

White Background



This preview shows how the XYZ color 70.3559, 72.6069, 32.8606 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 70.3559, 72.6069, 32.8606 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 70.3559, 72.6069, 32.8606

Background



This preview shows how black text looks on a background with the XYZ color 70.3559, 72.6069, 32.8606.



This preview shows how white text looks on a background with the XYZ color 70.3559, 72.6069,

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

70.3559, 72.6069, 32.8606

Protanopia

67.1832, 72.8974, 33.8222

Deuteranopia

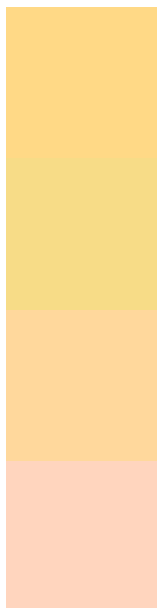
72.6083, 72.6880, 47.2491



Tritanopia

77.4714, 72.6271, 79.0425

Trichromacy



Original Color

70.3559, 72.6069, 32.8606

Protanomaly

68.3241, 72.7098, 33.3550

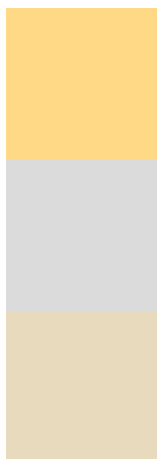
Deuteranomaly

71.7966, 72.7720, 41.7148

Tritanomaly

74.3285, 72.5662, 58.8043

Monochromacy



Original Color

70.3559, 72.6069, 32.8606

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.4272, 70.9295, 57.7139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3559, 72.6069, 32.8606 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, 217, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 134)  
}
```

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, 217, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 134) }
```

Border

The CSS property to change the border of an element to XYZ 70.3559, 72.6069, 32.8606 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, 217, 134) }
```


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

```
.border{ border-color:rgb(255, 217, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3559, 72.6069, 32.8606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 134) }
```

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

```
.background{ background-color: rgb(255,  
217, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor