

Converting Colors

XYZ(196.5511, 136.7033,
44.3692)

Have a look what the booklet for
XYZ(196.5511, 136.7033, 44.3692)
contains.

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Color

**XYZ(70.9653, 72.0308,
38.5968)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD795
RGB	255, 215, 149
RGB Percent	100%, 84%, 58%
CMY	0.0000, 0.1568, 0.4157
CMYK	0.00, 0.16, 0.42, 0.00
HSL	37°, 100%, 79%
HSV	37°, 42%, 100%
XYZ	70.9653, 72.0308, 38.5968
YIQ	219.4360, 45.0260, -12.0460

Conversions

Conversions Part 2

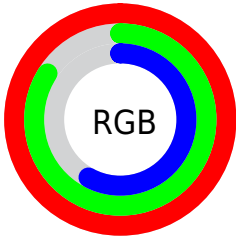
Format	Color
R _Y B	213, 255, 149
Decimal	16766869
CIE Lab	87.98, 5.40, 37.74
CIE LCh	88, 38.121, 81.864
Yxy	72.0308, 0.3908, 0.3967
Android (android.graphics.Color)	4294956949 (0xFFFFD795)
YUV	219.4360, -34.7249, 31.1896
Hunter-Lab	84.8710, 0.7295, 32.4463

Details

The XYZ color **70.9653, 72.0308, 38.5968** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.6415, 50.0031, 101.6956**, and the grayscale version is **67.8482, 71.3816, 77.7346**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **37.7544, 37.8750, 16.6300** is the 20% darker color. If you saturate the color by 10%, you get **66.7703, 66.5498, 28.2303**, and if you desaturate by 10%, it is **75.7537, 77.9850, 51.3615**.

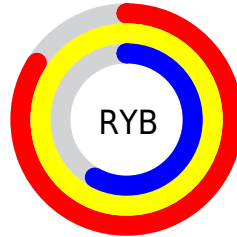
Distribution



Red (100%)

Green (84%)

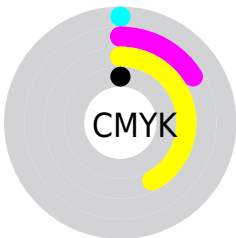
Blue (58%)



Red (84%)

Yellow (100%)

Blue (58%)

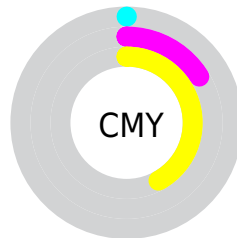


Cyan (0%)

Magenta (16%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9653, 72.0308, 38.5968 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 70.9653, 72.0308, 38.5968 by changing the saturation by 10% instead.


 70.9653, 72.0308,
38.5968

 70.9653, 72.0308,
38.5968


453.1458,
467.6488, 355.5478

 52.5963, 53.1838,
26.1408


 119.6031,
122.1003, 74.2355

 37.7068, 37.9495,
16.7023


 150.6026,
154.0917, 98.2553

 25.9314, 25.9435,
9.8627


186.5430,
191.2333, 126.9667

 16.9047, 16.7814,
5.2036

227.7897,
233.9095, 160.7884

 10.2615, 10.0788,
2.3064

274.7079,
282.5048, 200.1388

 5.6363, 5.4512,
0.7348

327.6631,

 2.6637, 2.5144,

337.4035, 245.4364

0.0000

387.0207,
398.9900, 297.1000

■ 0.9785, 0.8838,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.9653, 72.0308,
38.5968

■ 70.9653, 72.0308,
38.5968

■ 66.7703, 66.5498,
28.2303

■ 75.7537, 77.9850,
51.3615

■ 63.1314, 61.5153,
20.1020

■ 81.1593, 84.4178,
66.6616

■ 60.0151, 56.9124,
14.0392

■ 87.2109, 91.3470,
84.6290

■ 57.3809, 52.7208,
9.8414

■ 93.9336, 98.7865,
105.3854

■ 55.1805, 48.9169, 95.0500, 100.0000,
7.2677 108.9000

■ 53.6016, 45.9832,
6.0505

Harmonies

Analogous

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



79.8272, 72.0308, 45.2932



70.9653, 72.0308, 38.5968



62.1616, 72.0308, 40.5583

Triad

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



70.9653, 72.0308, 38.5968



53.4969, 72.0308, 98.5745



83.1428, 72.0308, 113.5583

Complementary

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



70.9653, 72.0308, 38.5968



48.6415, 50.0031, 101.6956

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.



75.1767, 72.0308, 134.6253



70.9653, 72.0308, 38.5968



58.2322, 72.0308, 124.7275

Square

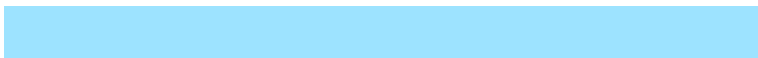
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9653, 72.0308, 38.5968



52.5853, 72.0308, 71.5597



66.0204, 72.0308, 139.1111



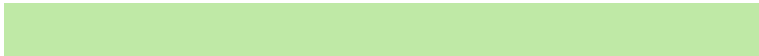
87.2529, 72.0308, 85.7250

Rectangle

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



70.9653, 72.0308, 38.5968



57.4543, 72.0308, 46.7594



66.0204, 72.0308, 139.1111



80.7954, 72.0308, 121.8992

Sweetspot

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



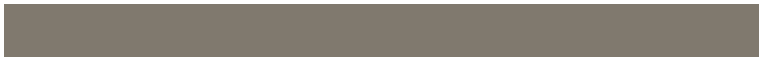
70.9671, 72.0342, 38.5983



86.9356, 91.0371, 83.7957



61.2421, 46.4573, 54.2454



18.4314, 19.2864, 17.4033



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.



70.9671, 72.0342, 38.5983



67.3905, 67.3795, 29.7036



78.0208, 92.6795, 42.2115



18.9517, 19.8715, 18.9811



28.1564, 24.3240, 3.2110



2.8467, 2.5789, 0.3477

Inverse Universe

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



48.6415, 50.0031, 101.6956



42.3253, 42.6670, 100.6125



43.5701, 36.3310, 99.3239



17.5646, 18.5008, 22.8952



11.7592, 8.4280, 50.4416



1.2460, 1.0228, 4.9450

Previews

White Background



This preview shows how the XYZ color 70.9653, 72.0308, 38.5968 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 70.9653, 72.0308, 38.5968 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 70.9653, 72.0308, 38.5968

Background



This preview shows how black text looks on a background with the XYZ color 70.9653, 72.0308, 38.5968.



This preview shows how white text looks on a background with the XYZ color 70.9653, 72.0308,

38.5968.

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

70.9653, 72.0308, 38.5968

Protanopia

67.0390, 72.2980, 39.6997

Deuteranopia

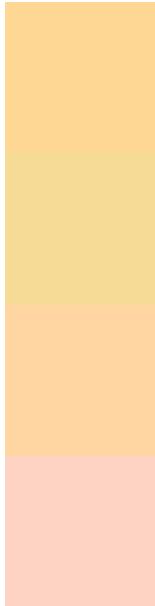
72.4480, 72.2177, 47.6571



Tritanopia

77.2253, 72.1349, 78.9604

Trichromacy



Original Color

70.9653, 72.0308, 38.5968

Protanomaly

68.4927, 72.2775, 39.1952

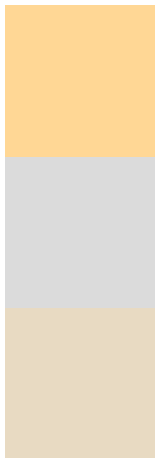
Deuteranomaly

71.8082, 71.9618, 44.2877

Tritanomaly

74.3846, 71.7887, 61.5659

Monochromacy



Original Color

70.9653, 72.0308, 38.5968

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

68.0877, 71.1937, 61.1921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9653, 72.0308, 38.5968 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, 215, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 149)  
}
```

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, 215, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 149) }
```

Border

The CSS property to change the border of an element to XYZ 70.9653, 72.0308, 38.5968 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, 215, 149) }
```


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

```
.border{ border-color:rgb(255, 215, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9653, 72.0308, 38.5968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 149) }
```

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

```
.background{ background-color: rgb(255,  
215, 149) }
```

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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