

Converting Colors

XYZ(70.2307, 68.9473, 43.3287)

Have a look what the booklet for
XYZ(70.2307, 68.9473, 43.3287)
contains.

XYZ(70.2289, 68.9450, 43.3245)	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(70.2289, 68.9450,
43.3245)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD0A1
RGB	255, 208, 161
RGB Percent	100%, 82%, 63%
CMY	0.0000, 0.1843, 0.3686
CMYK	0.00, 0.18, 0.37, 0.00
HSL	30°, 100%, 82%
HSV	30°, 37%, 100%
XYZ	70.2289, 68.9450, 43.3245
YIQ	216.6950, 43.0990, -4.6530

Conversions

Conversions Part 2

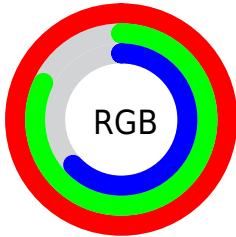
Format	Color
RYB	255, 255, 161
Decimal	16765089
CIELab	86.48, 10.31, 29.58
CIELCh	86, 31.328, 70.777
Yxy	68.9450, 0.3848, 0.3778
Android (android.graphics.Color)	4294955169 (0xFFFFD0A1)
YUV	216.6950, -27.4576, 33.5935
Hunter-Lab	83.0331, 5.6662, 27.1872

Details

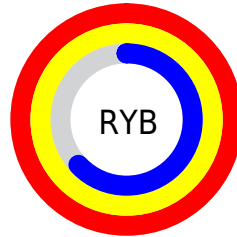
The XYZ color **70.2289, 68.9450, 43.3245** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.3030, 59.9067, 103.2560**, and the grayscale version is **65.9074, 69.3397, 75.5109**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **37.3419, 36.0856, 19.4651** is the 20% darker color. If you saturate the color by 10%, you get **65.2216, 62.1694, 31.6698**, and if you desaturate by 10%, it is **75.9482, 76.4102, 57.4804**.

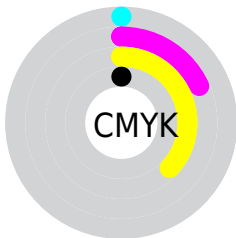
Distribution



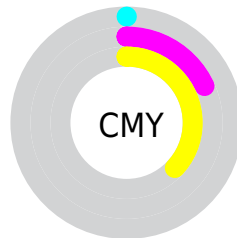
- Red (100%)
- Green (82%)
- Blue (63%)



- Red (100%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (18%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2289, 68.9450, 43.3245 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 70.2289, 68.9450, 43.3245 by changing the saturation by 10% instead.


 70.2289, 68.9450,
43.3245


 70.2289, 68.9450,
43.3245


450.6072,
456.8370, 375.9049

 51.9934, 50.6669,
29.8065


 118.5596,
117.7030, 81.4919

 37.2241, 35.9436,
19.4410

 149.3856,
148.9517, 106.9784

 25.5555, 24.3906,
11.8093

185.1391,
185.2928, 137.2915

 16.6223, 15.6236,
6.4930

226.1855,
227.1106, 172.8498

 10.0592, 9.2582,
3.0735

272.8901,
274.7895, 214.0717

 5.5008, 4.9100,
1.1323

325.6184,

 2.5817, 2.1946,

328.7140, 261.3759

0.0000

384.7356,
389.2683, 315.1807

■ 0.9367, 0.7170,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.2289, 68.9450,
43.3245

■ 70.2289, 68.9450,
43.3245

■ 65.2216, 62.1694,
31.6698

■ 75.9482, 76.4102,
57.4804

■ 60.8871, 56.0509,
22.3622

■ 82.4055, 84.5769,
74.2704

■ 57.1899, 50.5680,
15.2373

■ 89.6320, 93.4687,
93.8229

■ 54.0886, 45.6940,
10.1070

95.0500, 100.0000,
108.9000

■ 51.5349, 41.3993,
6.7507

■ 49.4696, 37.6490,
4.8894

■ 48.8961, 36.5722,
4.4820

Harmonies

Analogous

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



76.6659, 68.9450, 51.8929



70.2289, 68.9450, 43.3245



62.9574, 68.9450, 42.2779

Triad

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



70.2289, 68.9450, 43.3245



52.7652, 68.9450, 82.7863



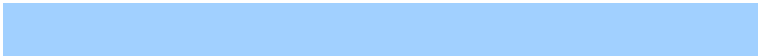
75.0649, 68.9450, 109.5500

Complementary

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



70.2289, 68.9450, 43.3245



55.3030, 59.9067, 103.2560

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.



68.1720, 68.9450, 121.5264



70.2289, 68.9450, 43.3245



55.5286, 68.9450, 104.2863

Square

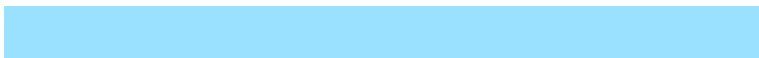
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2289, 68.9450, 43.3245



53.2265, 68.9450, 62.6745



61.0458, 68.9450, 119.4399



79.5972, 68.9450, 88.9993

Rectangle

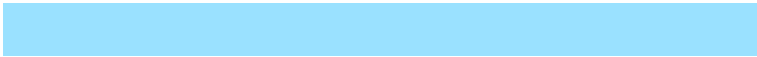
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2289, 68.9450, 43.3245



58.6513, 68.9450, 45.7224



61.0458, 68.9450, 119.4399



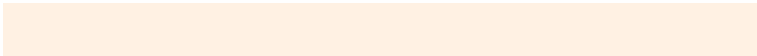
72.9268, 68.9450, 114.8693

Sweetspot

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



70.2306, 68.9482, 43.3259



86.5466, 89.7001, 85.3892



65.3705, 51.3045, 66.1325



18.3144, 18.9411, 17.7080



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.



70.2306, 68.9482, 43.3259



66.5848, 64.0411, 34.7590



83.4331, 95.3532, 47.7267



18.7599, 19.4879, 18.9171



25.6986, 19.4084, 2.3917



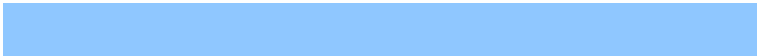
2.6114, 2.1081, 0.2693

Inverse Universe

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



55.3030, 59.9067, 103.2560



49.7420, 53.8395, 102.3781



45.4935, 40.2877, 99.9862



17.7533, 18.8782, 22.9581



13.5792, 12.0680, 51.0482



1.4314, 1.3934, 5.0068

Previews

White Background



This preview shows how the XYZ color 70.2289, 68.9450, 43.3245 looks on a white background.

Color Contrast Check

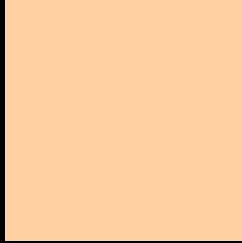
Large Text (above 18pt) WCAG AA × Fail

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 70.2289, 68.9450, 43.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

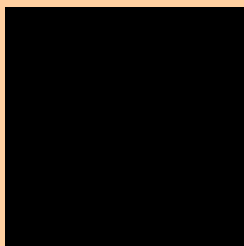
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2289, 68.9450, 43.3245

Background



This preview shows how black text looks on a background with the XYZ color 70.2289, 68.9450, 43.3245.



This preview shows how white text looks on a background with the XYZ color 70.2289, 68.9450,

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

70.2289, 68.9450, 43.3245

Protanopia

64.6261, 68.9842, 45.5064

Deuteranopia

70.4067, 69.0161, 44.2609



Tritanopia

74.9906, 68.9297, 74.3181

Trichromacy



Original Color

70.2289, 68.9450, 43.3245

Protanomaly

66.4303, 68.7941, 44.8993

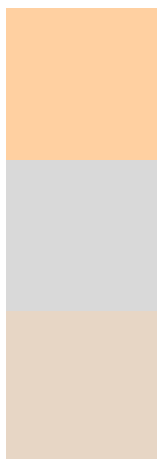
Deuteranomaly

70.3175, 68.9804, 43.7908

Tritanomaly

73.0351, 68.9082, 61.6758

Monochromacy



Original Color

70.2289, 68.9450, 43.3245

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.0796, 69.1133, 62.6280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2289, 68.9450, 43.3245 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, 208, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 161)  
}
```

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, 208, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 161) }
```

Border

The CSS property to change the border of an element to XYZ 70.2289, 68.9450, 43.3245 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, 208, 161) }
```


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

```
.border{ border-color:rgb(255, 208, 161) }
```

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

Here you see how a box with a 4 pixel rgb(255, 208, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2289, 68.9450, 43.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 161) }
```

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

```
.background{ background-color: rgb(255,  
208, 161) }
```

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