

Converting Colors

XYZ(68.0438, 70.3784, 45.6305)

Have a look what the booklet for
XYZ(68.0438, 70.3784, 45.6305)
contains.

XYZ(68.0541, 70.3722, 45.5937)	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(68.0541, 70.3722,
45.5937)**

Conversions

Conversions Part 1

Format	Color
Hex	F3D7A5
RGB	243, 215, 165
RGB Percent	95%, 84%, 65%
CMY	0.0471, 0.1568, 0.3529
CMYK	0.00, 0.12, 0.32, 0.05
HSL	38°, 76%, 80%
HSV	38°, 32%, 95%
XYZ	68.0541, 70.3722, 45.5937
YIQ	217.6720, 32.7380, -9.6140

Conversions

Conversions Part 2

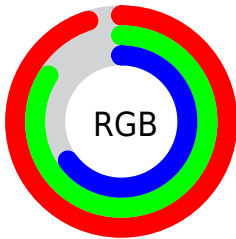
Format	Color
R _Y B	209, 243, 165
Decimal	15980453
CIE Lab	87.18, 2.57, 28.27
CIE LCh	87, 28.384, 84.800
Yxy	70.3722, 0.3698, 0.3824
Android (android.graphics.Color)	4294170533 (0xFFFF3D7A5)
YUV	217.6720, -25.9673, 22.2127
Hunter-Lab	83.8881, -1.9964, 26.4972

Details

The XYZ color **68.0541, 70.3722, 45.5937** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.7642, 52.6087, 92.2730**, and the grayscale version is **66.5735, 70.0405, 76.2741**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **35.8011, 36.7730, 20.8338** is the 20% darker color. If you saturate the color by 10%, you get **63.8877, 65.2488, 34.3102**, and if you desaturate by 10%, it is **72.7628, 75.9069, 59.1327**.

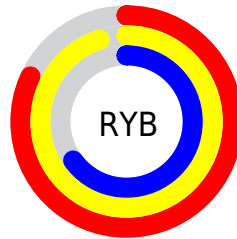
Distribution



Red (95%)

Green (84%)

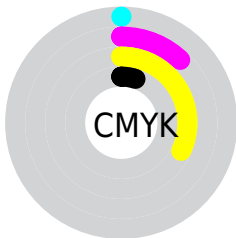
Blue (65%)



Red (82%)

Yellow (95%)

Blue (65%)

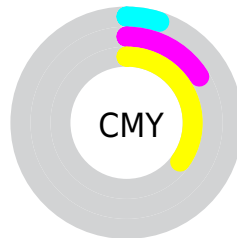


Cyan (0%)

Magenta (12%)

Yellow (32%)

Black (5%)



Cyan (5%)


Magenta (16%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0541, 70.3722, 45.5937 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 68.0541, 70.3722, 45.5937 by changing the saturation by 10% instead.


 68.0541, 70.3722,
45.5937


 68.0541, 70.3722,
45.5937


443.0614,
461.8558, 385.4028

 50.2156, 51.8300,
31.5790


 115.4710,
119.7394, 84.9385

 35.8032, 36.8696,
20.7780


 145.7801,
151.3332, 111.1056

 24.4517, 25.1066,
12.7721

180.9768,
188.0463, 142.1606

 15.7956, 16.1565,
7.1430

221.4264,
230.2632, 178.5220

 9.4695, 9.6349,
3.4719

267.4944,
278.3682, 220.6084

 5.1082, 5.1576,
1.3403

319.5459,

 2.3463, 2.3400,

332.7457, 268.8383

0.0945

377.9465,
393.7801, 323.6303

■ 0.8182, 0.7948,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0541, 70.3722,
45.5937

■ 68.0541, 70.3722,
45.5937

■ 63.8877, 65.2488,
34.3102

■ 72.7628, 75.9069,
59.1327

■ 60.2324, 60.5139,
25.1516

■ 78.0321, 81.8557,
75.0392

■ 57.0620, 56.1565,
17.9804

■ 83.8861, 88.2335,
93.4230

■ 54.3452, 52.1609,
12.6410

■ 89.1641, 94.5786,
108.1638

■ 52.0459, 48.5098,
8.9543

■ 90.7722, 97.7947,
108.6998

■ 50.1215, 45.1826,
6.7046

■ 48.8148, 42.7600,
5.6807

Harmonies

Analogous

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



74.5437, 70.3722, 50.3905



68.0541, 70.3722, 45.5937



61.6574, 70.3722, 47.9182

Triad

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



68.0541, 70.3722, 45.5937



55.9216, 70.3722, 93.0602



77.9068, 70.3722, 99.7694

Complementary

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



68.0541, 70.3722, 45.5937



50.7642, 52.6087, 92.2730

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.



72.4035, 70.3722, 114.9734



68.0541, 70.3722, 45.5937



59.7728, 70.3722, 110.6713

Square

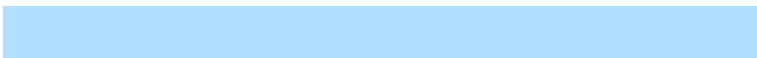
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.0541, 70.3722, 45.5937



54.9262, 70.3722, 73.3470



65.7327, 70.3722, 119.2610



80.4684, 70.3722, 79.9958

Rectangle

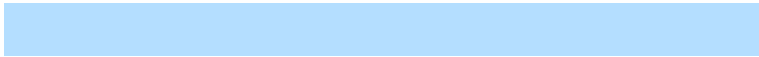
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.0541, 70.3722, 45.5937



58.2624, 70.3722, 53.4335



65.7327, 70.3722, 119.2610



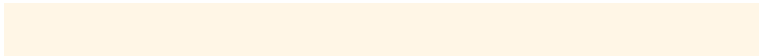
76.3225, 70.3722, 105.7061

Sweetspot

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



68.0559, 70.3754, 45.5952



88.3623, 92.7642, 87.7434



60.1105, 49.8428, 57.2569



18.7234, 19.6460, 18.1929



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.



68.0559, 70.3754, 45.5952



72.6144, 74.4685, 41.7997



72.3162, 84.0743, 48.0148



17.3853, 18.2546, 17.4048



26.9235, 23.7326, 3.1618



2.4634, 2.2800, 0.3102

Inverse Universe

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



50.7642, 52.6087, 92.2730



50.3572, 51.6108, 101.9155



47.4027, 42.5426, 90.5072



16.0679, 16.9001, 20.9577



10.8748, 7.5433, 47.4209



1.0494, 0.8503, 4.1991

Previews

White Background



This preview shows how the XYZ color 68.0541, 70.3722, 45.5937 looks on a white background.

Color Contrast Check

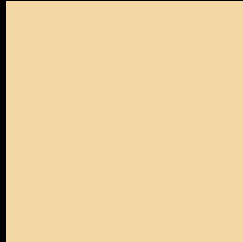
Large Text (above 18pt) WCAG AA × Fail

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 68.0541, 70.3722, 45.5937 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 68.0541, 70.3722, 45.5937

Background



This preview shows how black text looks on a background with the XYZ color 68.0541, 70.3722, 45.5937.



This preview shows how white text looks on a background with the XYZ color 68.0541, 70.3722,

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

68.0541, 70.3722, 45.5937

Protanopia

65.8860, 70.3884, 46.1901

Deuteranopia

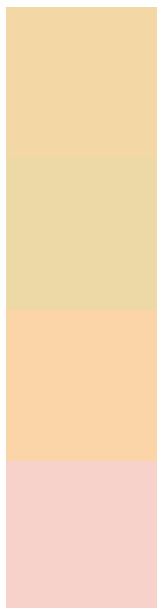
71.5423, 70.2555, 47.8202



Tritanopia

75.0564, 70.2774, 79.4210

Trichromacy



Original Color

68.0541, 70.3722, 45.5937

Protanomaly

66.6208, 70.3834, 46.1505

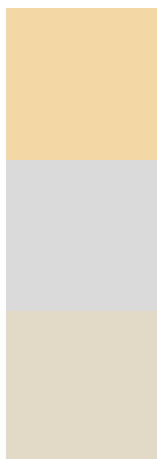
Deuteranomaly

70.3950, 70.4233, 46.9286

Tritanomaly

72.0650, 70.1316, 65.6156

Monochromacy



Original Color

68.0541, 70.3722, 45.5937

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.8002, 70.0801, 64.0389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0541, 70.3722, 45.5937 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(243, 215, 165)` looks like.

```
.text, #text, p{  
    color:rgb(243, 215, 165)  
}
```

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(243, 215, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 215, 165) }
```

Border

The CSS property to change the border of an element to XYZ 68.0541, 70.3722, 45.5937 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(243, 215, 165) }
```


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

```
.border{ border-color:rgb(243, 215, 165) }
```

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

Here you see how a box with a 4 pixel rgb(243, 215, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 215, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 215, 165);  
box-shadow:4px 4px 4px 4px rgb(243, 215,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0541, 70.3722, 45.5937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 215, 165) }
```

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

```
.background{ background-color: rgb(243,  
215, 165) }
```

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