

Converting Colors

XYZ(67.6611, 69.8600, 45.8745)

Have a look what the booklet for
XYZ(67.6611, 69.8600, 45.8745)
contains.

XYZ(67.5475, 69.7236, 45.9743)	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(67.5475, 69.7236,
45.9743)**

Conversions

Conversions Part 1

Format	Color
Hex	F2D6A6
RGB	242, 214, 166
RGB Percent	95%, 84%, 65%
CMY	0.0510, 0.1608, 0.3490
CMYK	0.00, 0.12, 0.31, 0.05
HSL	38°, 75%, 80%
HSV	38°, 31%, 95%
XYZ	67.5475, 69.7236, 45.9743
YIQ	216.9000, 32.0960, -8.9920

Conversions

Conversions Part 2

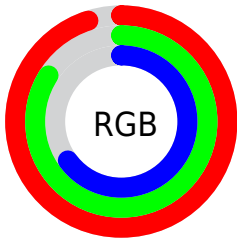
Format	Color
R _Y B	210, 242, 166
Decimal	15914662
CIE Lab	86.86, 2.83, 27.30
CIE LCh	87, 27.450, 84.082
Yxy	69.7236, 0.3686, 0.3805
Android (android.graphics.Color)	4294104742 (0xFFF2D6A6)
YUV	216.9000, -25.0937, 22.0127
Hunter-Lab	83.5007, -1.7293, 25.8062

Details

The XYZ color **67.5475, 69.7236, 45.9743** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.0443, 53.0999, 91.5636**, and the grayscale version is **66.0375, 69.4766, 75.6600**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **35.4430, 36.3255, 21.0631** is the 20% darker color. If you saturate the color by 10%, you get **63.3390, 64.5310, 34.6307**, and if you desaturate by 10%, it is **72.3008, 75.3366, 59.5618**.

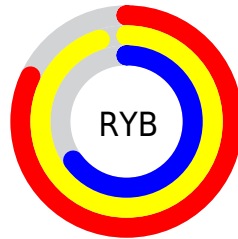
Distribution



Red (95%)

Green (84%)

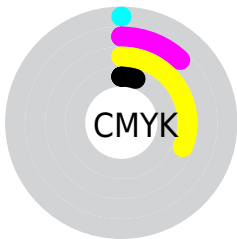
Blue (65%)



Red (82%)

Yellow (95%)

Blue (65%)

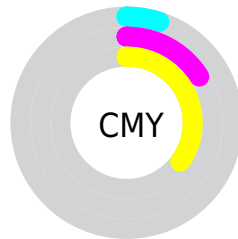


Cyan (0%)

Magenta (12%)

Yellow (31%)

Black (5%)



Cyan (5%)

Magenta (16%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5475, 69.7236, 45.9743 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 67.5475, 69.7236, 45.9743 by changing the saturation by 10% instead.


 67.5475, 69.7236,
45.9743


 67.5475, 69.7236,
45.9743


441.2930,
459.5789, 386.9799

 49.8020, 51.3012,
31.8770


 114.7500,
118.8145, 85.5144

 35.4733, 36.4484,
21.0035


 144.9378,
150.2518, 111.7943

 24.1959, 24.7807,
12.9353


180.0038,
186.7963, 142.9722

 15.6045, 15.9137,
7.2538

220.3132,
228.8322, 179.4666

 9.3338, 9.4631,
3.5405

266.2315,
276.7441, 221.6960

 5.0184, 5.0445,
1.3768

318.1240,

 2.2929, 2.2734,

330.9162, 270.0790

0.1235

376.3560,
391.7330, 325.0341

■ 0.7910, 0.7596,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.5475, 69.7236,
45.9743

■ 67.5475, 69.7236,
45.9743

■ 63.3390, 64.5310,
34.6307

■ 72.3008, 75.3366,
59.5618

■ 59.6445, 59.7360,
25.4024

■ 77.6171, 81.3729,
75.5036

■ 56.4380, 55.3274,
18.1542

■ 83.5202, 87.8476,
93.9078

■ 53.6886, 51.2896,
12.7333

■ 88.7489, 94.2590,
108.1240

■ 51.3609, 47.6051,
8.9645

■ 90.4280, 97.6173,
108.6837

■ 49.4130, 44.2535,
6.6373

■ 47.9862, 41.6137,
5.5031

Harmonies

Analogous

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



73.7565, 69.7236, 50.7972



67.5475, 69.7236, 45.9743



61.3734, 69.7236, 48.0669

Triad

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



67.5475, 69.7236, 45.9743



55.6557, 69.7236, 91.2290



76.7469, 69.7236, 98.5317

Complementary

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



67.5475, 69.7236, 45.9743



51.0443, 53.0999, 91.5636

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.



71.4207, 69.7236, 112.8633



67.5475, 69.7236, 45.9743



59.3084, 69.7236, 108.1944

Square

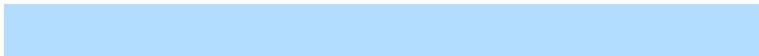
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.5475, 69.7236, 45.9743



54.7653, 69.7236, 72.3400



65.0091, 69.7236, 116.6569



79.2831, 69.7236, 79.6103

Rectangle

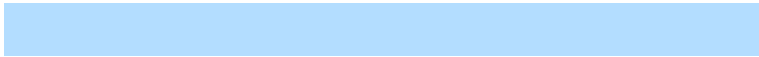
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.5475, 69.7236, 45.9743



58.0705, 69.7236, 53.3051



65.0091, 69.7236, 116.6569



75.2075, 69.7236, 104.1605

Sweetspot

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



67.5493, 69.7268, 45.9757



88.9348, 93.3334, 89.7090



60.1202, 50.0967, 58.2106



18.8351, 19.7547, 18.5837



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.



67.5493, 69.7268, 45.9757



72.8318, 74.5553, 42.9449



72.2833, 83.6038, 48.4048



16.6050, 17.4232, 16.6375



25.9135, 22.6250, 3.0013



2.2504, 2.0715, 0.2812

Inverse Universe

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



51.0443, 53.0999, 91.5636



51.4160, 52.9909, 102.1261



47.3133, 42.7827, 89.7688



15.3741, 16.1823, 20.0348



10.6546, 7.5335, 46.0204



0.9783, 0.8106, 3.8591

Previews

White Background



This preview shows how the XYZ color 67.5475, 69.7236, 45.9743 looks on a white background.

Color Contrast Check

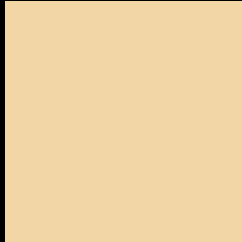
Large Text (above 18pt) WCAG AA × Fail

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 67.5475, 69.7236, 45.9743 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 67.5475, 69.7236, 45.9743

Background



This preview shows how black text looks on a background with the XYZ color 67.5475, 69.7236, 45.9743.



This preview shows how white text looks on a background with the XYZ color 67.5475, 69.7236, 45.9743.

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

67.5475, 69.7236, 45.9743

Protanopia

65.0666, 69.5715, 46.5585

Deuteranopia

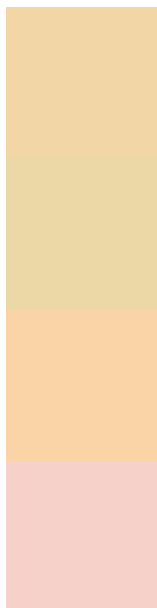
71.1083, 69.6881, 46.7491



Tritanopia

73.9675, 69.3730, 78.5991

Trichromacy



Original Color

67.5475, 69.7236, 45.9743

Protanomaly

66.1230, 69.7346, 46.5343

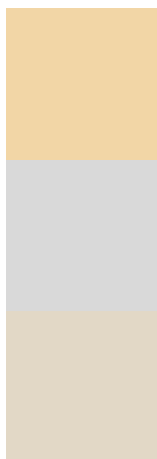
Deuteranomaly

69.6937, 69.7025, 46.3399

Tritanomaly

71.4672, 69.4580, 65.5171

Monochromacy



Original Color

67.5475, 69.7236, 45.9743

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.1129, 69.3577, 63.3289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5475, 69.7236, 45.9743 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(242, 214, 166)` looks like.

```
.text, #text, p{  
    color:rgb(242, 214, 166)  
}
```

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(242, 214, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 214, 166) }
```

Border

The CSS property to change the border of an element to XYZ 67.5475, 69.7236, 45.9743 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(242, 214, 166) }
```


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

```
.border{ border-color:rgb(242, 214, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 214, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 214, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 214, 166);  
box-shadow:4px 4px 4px 4px rgb(242, 214,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5475, 69.7236, 45.9743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 214, 166) }
```

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

```
.background{ background-color: rgb(242,  
214, 166) }
```

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