

Converting Colors

XYZ(67.2416, 75.9764, 44.3272)

Have a look what the booklet for
XYZ(67.2416, 75.9764, 44.3272)
contains.

XYZ(67.2751, 75.9547, 44.3727)	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(67.2751, 75.9547,
44.3727)**

Conversions

Conversions Part 1

Format	Color
Hex	E6E6A0
RGB	230, 230, 160
RGB Percent	90%, 90%, 63%
CMY	0.0980, 0.0980, 0.3725
CMYK	0.00, 0.00, 0.30, 0.10
HSL	60°, 58%, 76%
HSV	60°, 30%, 90%
XYZ	67.2751, 75.9547, 44.3727
YIQ	222.0200, 22.4700, -21.7700

Conversions

Conversions Part 2

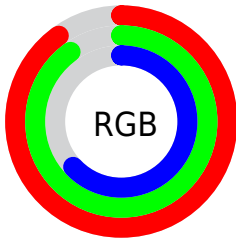
Format	Color
RYB	160, 230, 160
Decimal	15132320
CIELab	89.84, -10.60, 34.20
CIELCh	90, 35.806, 107.225
Yxy	75.9547, 0.3586, 0.4049
Android (android.graphics.Color)	4293322400 (0xFFE6E6A0)
YUV	222.0200, -30.5759, 6.9985
Hunter-Lab	87.1520, -14.7268, 30.8194

Details

The XYZ color **67.2751, 75.9547, 44.3727** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.3538, 38.3304, 80.0862**, and the grayscale version is **69.6450, 73.2720, 79.7932**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **35.4923, 40.7413, 20.1806** is the 20% darker color. If you saturate the color by 10%, you get **65.4465, 75.2258, 34.7382**, and if you desaturate by 10%, it is **69.4798, 76.8393, 55.9709**.

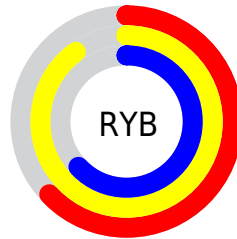
Distribution



Red (90%)

Green (90%)

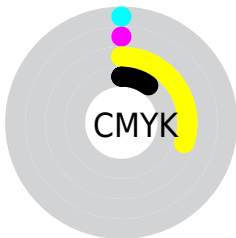
Blue (63%)



Red (63%)

Yellow (90%)

Blue (63%)

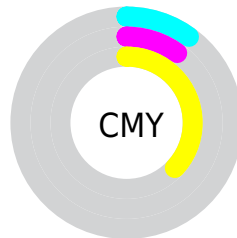


Cyan (0%)

Magenta (0%)

Yellow (30%)

Black (10%)



Cyan (10%)


Magenta (10%)


Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2751, 75.9547, 44.3727 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 67.2751, 75.9547, 44.3727 by changing the saturation by 10% instead.


 67.2751, 75.9547,
44.3727


 67.2751, 75.9547,
44.3727

440.3405,
481.1926, 380.3128

 49.5797, 56.3954,
30.6243


 114.3621,
127.6629, 83.0867

 35.2960, 40.5200,
20.0569


 144.4845,
160.5805, 108.8894

 24.0586, 27.9442,
12.2519


179.4800,
198.7197, 139.5472

 15.5020, 18.2836,
6.7908

219.7138,
242.4648, 175.4788

 9.2611, 11.1538,
3.2552

265.5514,
292.2002, 217.1026

 4.9703, 6.1704,
1.2264

317.3582,

 2.2644, 2.9490,

348.3104, 264.8371

0.0003

375.4994,
411.1798, 319.1010

■ 0.7764, 1.1051,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2751, 75.9547,
44.3727

■ 67.2751, 75.9547,
44.3727

■ 65.4465, 75.2258,
34.7382

■ 69.4798, 76.8393,
55.9709

■ 63.9677, 74.6343,
26.9543

■ 72.0739, 77.8770,
69.6279

■ 62.8181, 74.1744,
20.9039

■ 75.0769, 79.0783,
85.4384

■ 61.9726, 73.8361,
16.4543

■ 78.5056, 80.4498,
103.4901

■ 61.4022, 73.6078,
13.4541

■ 78.9847, 80.6416,
106.0102

■ 61.0728, 73.4760,
11.7224

■ 78.9853, 80.6419,
106.0102

■ 60.9274, 73.4178,
10.9598

■ 78.9860, 80.6422,
106.0102

■ 78.9866, 80.6425,
106.0103

■ 78.9872, 80.6428,
106.0103

Harmonies

Analogous

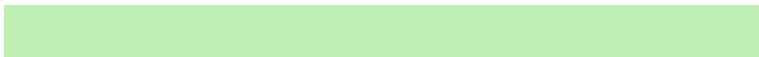
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0171, 75.9547, 43.7299



67.2751, 75.9547, 44.3727



60.4203, 75.9547, 53.8500

Triad

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



67.2751, 75.9547, 44.3727



61.2529, 75.9547, 123.8300



90.0718, 75.9547, 93.9407

Complementary

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



67.2751, 75.9547, 44.3727



41.3538, 38.3304, 80.0862

Split Complementary

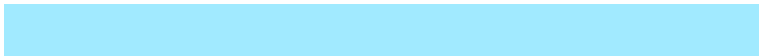
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4027, 75.9547, 120.3649



67.2751, 75.9547, 44.3727



68.4987, 75.9547, 139.8444

Square

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



67.2751, 75.9547, 44.3727



57.1432, 75.9547, 97.9716



77.3442, 75.9547, 138.4605



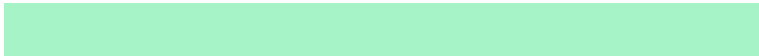
89.6765, 75.9547, 69.1072

Rectangle

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



67.2751, 75.9547, 44.3727



57.6263, 75.9547, 65.2511



77.3442, 75.9547, 138.4605



89.0275, 75.9547, 103.0155

Sweetspot

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



67.2770, 75.9581, 44.3743



91.5719, 98.6087, 90.5882



51.5516, 44.5046, 39.1320



19.4884, 21.0616, 18.8015



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.



67.2770, 75.9581, 44.3743



83.3993, 95.3394, 47.5633



57.1506, 70.7378, 43.9004



15.6015, 16.8172, 15.3282



34.4917, 41.5626, 6.2045



2.5489, 3.0713, 0.4585

Inverse Universe

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



41.3538, 38.3304, 80.0862



45.3629, 40.1291, 99.9626



49.3617, 42.4586, 80.4610



13.5830, 13.8873, 18.1089



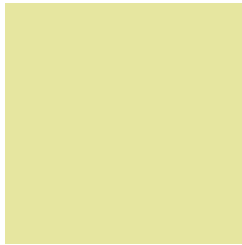
8.0864, 3.2346, 42.5813



0.5976, 0.2390, 3.1466

Previews

White Background



This preview shows how the XYZ color 67.2751, 75.9547, 44.3727 looks on a white background.

Color Contrast Check

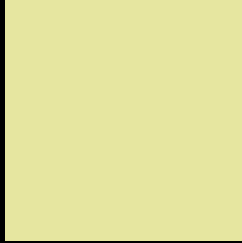
Large Text (above 18pt) WCAG AA × Fail

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 67.2751, 75.9547, 44.3727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

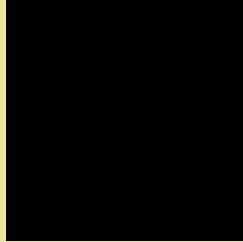
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2751, 75.9547, 44.3727

Background



This preview shows how black text looks on a background with the XYZ color 67.2751, 75.9547, 44.3727.

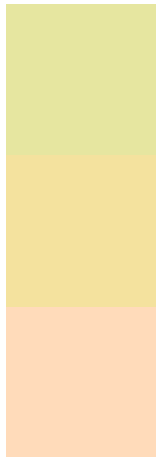


This preview shows how white text looks on a background with the XYZ color 67.2751, 75.9547,

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

67.2751, 75.9547, 44.3727

Protanopia

70.6761, 76.0944, 43.3104

Deuteranopia

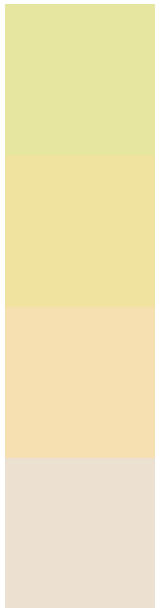
75.4344, 75.4682, 57.0454



Tritanopia

76.8144, 75.8261, 90.7081

Trichromacy



Original Color

67.2751, 75.9547, 44.3727

Protanomaly

69.3237, 75.7921, 43.7765

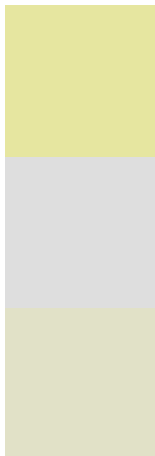
Deuteranomaly

72.3295, 75.5425, 52.3640

Tritanomaly

72.7563, 75.7476, 71.1077

Monochromacy



Original Color

67.2751, 75.9547, 44.3727

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.2854, 73.9815, 64.7137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2751, 75.9547, 44.3727 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(230, 230, 160)` looks like.

```
.text, #text, p{  
    color:rgb(230, 230, 160)  
}
```

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(230, 230, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 230, 160) }
```

Border

The CSS property to change the border of an element to XYZ 67.2751, 75.9547, 44.3727 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(230, 230, 160) }
```


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

```
.border{ border-color:rgb(230, 230, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 230, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 230, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 230, 160);  
box-shadow:4px 4px 4px 4px rgb(230, 230,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2751, 75.9547, 44.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 230, 160) }
```

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

```
.background{ background-color: rgb(230,  
230, 160) }
```

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