

# Converting Colors

XYZ(51.4044, 44.1570, 67.4001)

Have a look what the booklet for  
XYZ(51.4044, 44.1570, 67.4001)  
contains.

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# Color

**XYZ(51.3667, 44.0418,  
67.4216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3A1D3
RGB	211, 161, 211
RGB Percent	83%, 63%, 83%
CMY	0.1725, 0.3686, 0.1725
CMYK	0.00, 0.24, 0.00, 0.17
HSL	300°, 36%, 73%
HSV	300°, 24%, 83%
XYZ	51.3667, 44.0418, 67.4216
YIQ	181.6500, 13.7500, 26.1500

# Conversions

## Conversions Part 2

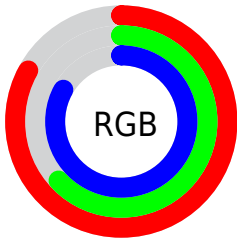
Format	Color
<a href="#">RYB</a>	<a href="#">211, 161, 211</a>
Decimal	<a href="#">13869523</a>
CIELab	<a href="#">72.26, 26.86, -18.30</a>
CIELCh	<a href="#">72, 32.499, 325.727</a>
Yxy	<a href="#">44.0418, 0.3155, 0.2705</a>
Android (android.graphics.Color)	<a href="#">4292059603 (0xFFD3A1D3)</a>
YUV	<a href="#">181.6500, 14.4695, 25.7399</a>
Hunter-Lab	<a href="#">66.3640, 22.0246, -13.7801</a>

# Details

The XYZ color **51.3667, 44.0418, 67.4216** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.4270, 56.7401, 42.3310**, and the grayscale version is **44.1930, 46.4945, 50.6325**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **25.1797, 20.4055, 34.0640** is the 20% darker color. If you saturate the color by 10%, you get **47.9865, 37.2806, 66.2953**, and if you desaturate by 10%, it is **55.3718, 52.0512, 68.7572**.

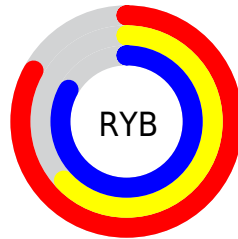
# Distribution



Red (83%)

Green (63%)

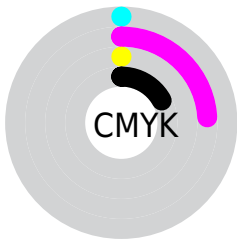
Blue (83%)



Red (83%)

Yellow (63%)

Blue (83%)

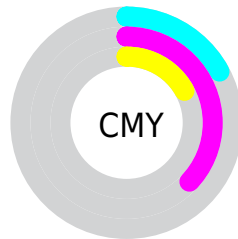


Cyan (0%)

Magenta (24%)

Yellow (0%)

Black (17%)



Cyan (17%)

Magenta (37%)


Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3667, 44.0418, 67.4216 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 51.3667, 44.0418, 67.4216 by changing the saturation by 10% instead.





 51.3667, 44.0418,  
67.4216

 51.3667, 44.0418,  
67.4216


382.3510,  
362.8788, 469.9863

 36.7228, 30.7034,  
48.9636


 91.3764, 81.2806,  
117.1707

 25.1656, 20.3731,  
34.2252


 117.4728,  
105.9498, 149.2988

 16.3299, 12.6665,  
22.7879

148.1174,  
135.1648, 186.8208

 9.8502, 7.1993,  
14.2331

183.6756,  
169.3098, 230.1551

 5.3612, 3.5871,  
8.1424

224.5127,  
208.7693, 279.7202

 2.4977, 1.4454,  
4.0971

270.9941,

 0.8941, 0.2498,

253.9277, 335.9348

1.6788

323.4851,  
305.1694, 399.2173

■ 0.0000, 0.0000,  
0.3461

■ 0.0000, 0.0000,  
0.0000

■ 51.3667, 44.0418,  
67.4216

■ 51.3667, 44.0418,  
67.4216

■ 47.9865, 37.2806,  
66.2953

■ 55.3718, 52.0512,  
68.7572

■ 45.1959, 31.6995,  
65.3650

■ 60.0268, 61.3611,  
70.3090

■ 42.9624, 27.2324,  
64.6204

■ 65.3602, 72.0279,  
72.0868

■ 41.2485, 23.8048,  
64.0490

■ 71.3976, 84.1027,  
74.0994

40.0125, 21.3328,  
63.6369

74.3824, 90.0723,  
75.0944

39.2059, 19.7195,  
63.3680

74.3824, 90.0723,  
75.0945

38.7700, 18.8479,  
63.2226

74.3825, 90.0723,  
75.0946

38.6222, 18.5522,  
63.1733

74.3825, 90.0723,  
75.0947

74.3825, 90.0723,  
75.0948

# Harmonies

## Analogous

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



46.6923, 44.0418, 81.3016



51.3667, 44.0418, 67.4216



53.4965, 44.0418, 50.2802

# Triad

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



51.3667, 44.0418, 67.4216



42.6650, 44.0418, 23.3762



32.9201, 44.0418, 62.5662

# Complementary

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



51.3667, 44.0418, 67.4216



44.4270, 56.7401, 42.3310

# 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.



32.0472, 44.0418, 45.7007



51.3667, 44.0418, 67.4216



37.3739, 44.0418, 25.2582

# Square

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



51.3667, 44.0418, 67.4216



48.1974, 44.0418, 26.7810



33.6059, 44.0418, 32.6487



36.1047, 44.0418, 78.0895



# Rectangle

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



51.3667, 44.0418, 67.4216



53.0599, 44.0418, 40.0987



33.6059, 44.0418, 32.6487



32.3594, 44.0418, 56.7736

# Sweetspot

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



51.3681, 44.0437, 67.4225



89.6176, 89.1353, 107.0891



39.2027, 37.7722, 66.8534



19.0868, 18.8885, 22.8898



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.



51.3681, 44.0437, 67.4225



76.3474, 62.5950, 102.6654



48.4733, 42.8858, 52.1791



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1245



1.3032, 0.6260, 2.1317



# Inverse Universe

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



51.3681, 44.0437, 67.4225



76.3474, 62.5950, 102.6654



46.8568, 57.7121, 55.1260



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1245



1.3032, 0.6260, 2.1317



# Previews

## White Background



This preview shows how the XYZ color 51.3667, 44.0418, 67.4216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

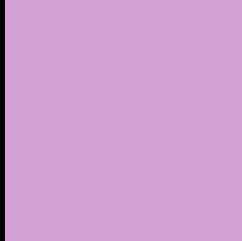
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3667, 44.0418, 67.4216 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 51.3667, 44.0418, 67.4216**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3667, 44.0418, 67.4216.



This preview shows how white text looks on a background with the XYZ color 51.3667, 44.0418,



# 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

51.3667, 44.0418, 67.4216

### Protanopia

44.5128, 44.4866, 74.6473

### Deuteranopia

45.2746, 44.1939, 66.4656



## Tritanopia

47.7891, 44.1981, 49.1924

# Trichromacy



## Original Color

51.3667, 44.0418, 67.4216

## Protanomaly

46.6157, 44.2029, 71.7207

## Deuteranomaly

47.3067, 44.1054, 66.9926

## Tritanomaly

48.8715, 44.0818, 55.2230

# Monochromacy



## Original Color

51.3667, 44.0418, 67.4216

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

46.7540, 45.4598, 56.7625

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3667, 44.0418, 67.4216 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(211, 161, 211)` looks like.

```
.text, #text, p{  
    color:rgb(211, 161, 211)  
}
```

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(211, 161, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 161, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3667, 44.0418, 67.4216 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(211, 161, 211) }
```



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

```
.border{ border-color:rgb(211, 161, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 161, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 161, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 161, 211);  
box-shadow:4px 4px 4px 4px rgb(211, 161,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3667, 44.0418, 67.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 161, 211) }
```

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

```
.background{ background-color: rgb(211,  
161, 211) }
```

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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