

Converting Colors

XYZ(45.6350, 44.6089, 69.1568)

Have a look what the booklet for
XYZ(45.6350, 44.6089, 69.1568)
contains.

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Color

**XYZ(45.7367, 44.6599,
69.1604)**

Conversions

Conversions Part 1

Format	Color
Hex	B3AED5
RGB	179, 174, 213
RGB Percent	70%, 68%, 84%
CMY	0.2980, 0.3176, 0.1647
CMYK	0.16, 0.18, 0.00, 0.16
HSL	248°, 32%, 76%
HSV	248°, 18%, 84%
XYZ	45.7367, 44.6599, 69.1604
YIQ	179.9410, -9.5390, 13.1890

Conversions

Conversions Part 2

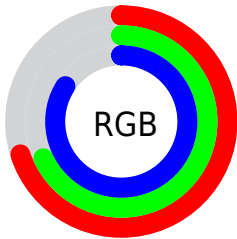
Format	Color
R _Y B	179, 174, 213
Decimal	11775701
CIE Lab	72.67, 9.63, -19.05
CIE LCh	73, 21.341, 296.812
Yxy	44.6599, 0.2866, 0.2799
Android (android.graphics.Color)	4289965781 (0xFFB3AED5)
YUV	179.9410, 16.2981, -0.8253
Hunter-Lab	66.8281, 5.2152, -14.5796

Details

The XYZ color **45.7367, 44.6599, 69.1604** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.4481, 64.0555, 49.3825**, and the grayscale version is **43.2709, 45.5244, 49.5760**.

A 20% lighter version of the original color is **80.3303, 80.9208, 105.9932**, and **21.7353, 20.8233, 35.2215** is the 20% darker color. If you saturate the color by 10%, you get **37.9369, 35.0080, 67.7092**, and if you desaturate by 10%, it is **54.7698, 55.9185, 70.8581**.

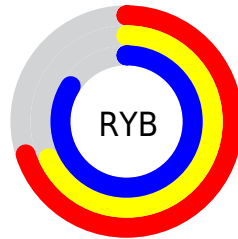
Distribution



Red (70%)

Green (68%)

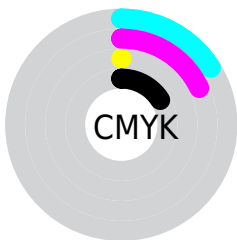
Blue (84%)



Red (70%)

Yellow (68%)

Blue (84%)

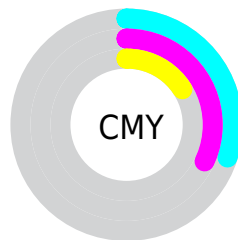


Cyan (16%)

Magenta (18%)

Yellow (0%)

Black (16%)



Cyan (30%)

Magenta (32%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7367, 44.6599, 69.1604 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 45.7367, 44.6599, 69.1604 by changing the saturation by 10% instead.

■ 45.7367, 44.6599,
69.1604

■ 45.7367, 44.6599,
69.1604

360.4828,
365.3944, 476.3057

■ 32.2418, 31.1896,
50.3698

■ 83.0551, 82.2098,
119.6805

■ 21.7027, 20.7433,
35.3341

107.6093,
107.0583, 152.2471

■ 13.7540, 12.9365,
23.6347

136.5807,
136.4682, 190.2427

■ 8.0303, 7.3848,
14.8532

170.3347,
170.8241, 234.0859

■ 4.1663, 3.7039,
8.5709

209.2365,
210.5102, 284.1953

■ 1.7967, 1.5094,
4.3694

253.6515,

■ 0.5157, 0.2953,

255.9110, 340.9894

1.8301

303.9452,
307.4110, 404.8867

■ 0.0000, 0.0000,
0.4477

■ 0.0000, 0.0000,
0.0000

■ 45.7367, 44.6599,
69.1604

■ 45.7367, 44.6599,
69.1604

■ 37.9369, 35.0080,
67.7092

■ 54.7698, 55.9185,
70.8581

■ 31.3127, 26.8840,
66.4903

■ 65.0823, 68.8467,
72.8100

■ 25.8077, 20.2109,
65.4924

■ 76.7231, 83.5108,
75.0269

■ 21.3595, 14.9027,
64.7022

■ 88.3813, 97.2599,
77.0663

■ 17.8993, 10.8642,
64.1051

■ 89.0104, 97.5841,
77.0958

■ 15.3501, 7.9880,
63.6843

■ 13.6231, 6.1485,
63.4202

■ 12.5979, 5.1651,
63.2845

■ 12.4703, 5.0413,
63.2673

Harmonies

Analogous

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



42.0537, 44.6599, 71.9254



45.7367, 44.6599, 69.1604



48.6810, 44.6599, 60.6477

Triad

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



45.7367, 44.6599, 69.1604



46.4603, 44.6599, 33.4980



35.7367, 44.6599, 47.5033

Complementary

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



45.7367, 44.6599, 69.1604



57.4481, 64.0555, 49.3825

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.



36.7709, 44.6599, 38.3100



45.7367, 44.6599, 69.1604



42.8446, 44.6599, 30.9966

Square

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



45.7367, 44.6599, 69.1604



49.1156, 44.6599, 40.0077



39.3207, 44.6599, 32.6224



36.4127, 44.6599, 58.4032

Rectangle

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



45.7367, 44.6599, 69.1604



49.7542, 44.6599, 53.4226



39.3207, 44.6599, 32.6224



35.8944, 44.6599, 44.1274

Sweetspot

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



45.7381, 44.6617, 69.1614



87.1446, 90.0856, 107.4030



52.1329, 59.1354, 71.6181



18.4233, 18.9950, 22.9453



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.



45.7381, 44.6617, 69.1614



63.9291, 61.1556, 103.0425



50.4496, 47.0906, 69.3819



11.8891, 12.0842, 15.6434



7.6650, 3.1040, 38.6483



0.5120, 0.2129, 2.3334

Inverse Universe

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



53.9632, 48.9741, 66.2851



78.5542, 68.8264, 97.7968



52.4094, 61.4580, 49.1467



12.8813, 12.6040, 15.3153



22.1830, 10.8095, 29.3312



1.3575, 0.6598, 1.8721

Previews

White Background



This preview shows how the XYZ color 45.7367, 44.6599, 69.1604 looks on a white background.

Color Contrast Check

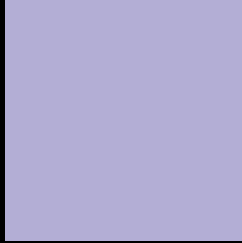
Large Text (above 18pt) WCAG AA × Fail

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 45.7367, 44.6599, 69.1604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

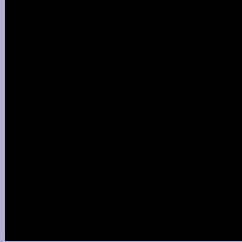
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7367, 44.6599, 69.1604

Background



This preview shows how black text looks on a background with the XYZ color 45.7367, 44.6599, 69.1604.



This preview shows how white text looks on a background with the XYZ color 45.7367, 44.6599,

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

45.7367, 44.6599, 69.1604

Protanopia

44.5654, 44.8966, 70.6070

Deuteranopia

45.5064, 44.5412, 69.1497



Tritanopia

43.1140, 44.7605, 56.2365

Trichromacy



Original Color

45.7367, 44.6599, 69.1604

Protanomaly

44.8965, 44.7899, 69.8974

Deuteranomaly

45.5064, 44.5412, 69.1497

Tritanomaly

44.0520, 44.8445, 60.9777

Monochromacy



Original Color

45.7367, 44.6599, 69.1604

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.2572, 45.3499, 56.2900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7367, 44.6599, 69.1604 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(179, 174, 213)` looks like.

```
.text, #text, p{  
    color:rgb(179, 174, 213)  
}
```

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(179, 174, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 174, 213) }
```

Border

The CSS property to change the border of an element to XYZ 45.7367, 44.6599, 69.1604 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(179, 174, 213) }
```


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

```
.border{ border-color:rgb(179, 174, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 174, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 174, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 174, 213);  
box-shadow:4px 4px 4px 4px rgb(179, 174,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7367, 44.6599, 69.1604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 174, 213) }
```

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

```
.background{ background-color: rgb(179,  
174, 213) }
```

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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