

Converting Colors

XYZ(45.0269, 43.0300, 71.5437)

Have a look what the booklet for
XYZ(45.0269, 43.0300, 71.5437)
contains.

XYZ(45.0306, 43.1063, 71.5926)	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(45.0306, 43.1063,
71.5926)**

Conversions

Conversions Part 1

Format	Color
Hex	B1AAD9
RGB	177, 170, 217
RGB Percent	69%, 67%, 85%
CMY	0.3059, 0.3333, 0.1490
CMYK	0.18, 0.22, 0.00, 0.15
HSL	249°, 38%, 76%
HSV	249°, 22%, 85%
XYZ	45.0306, 43.1063, 71.5926
YIQ	177.4510, -10.9150, 16.1010

Conversions

Conversions Part 2

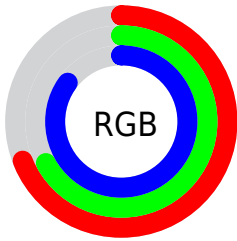
Format	Color
RYB	177, 170, 217
Decimal	11643609
CIELab	71.63, 12.08, -22.83
CIELCh	72, 25.832, 297.889
Yxy	43.1063, 0.2819, 0.2699
Android (android.graphics.Color)	4289833689 (0xFFB1AAD9)
YUV	177.4510, 19.4977, -0.3955
Hunter-Lab	65.6554, 7.5296, -18.6928

Details

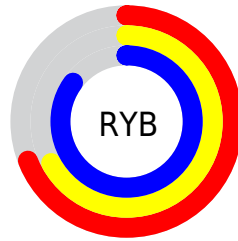
The XYZ color **45.0306, 43.1063, 71.5926** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.6482, 66.2306, 47.7248**, and the grayscale version is **41.9329, 44.1167, 48.0431**.

A 20% lighter version of the original color is **78.5795, 78.3941, 105.5977**, and **21.3122, 19.8506, 36.8907** is the 20% darker color. If you saturate the color by 10%, you get **37.3679, 33.6084, 70.1639**, and if you desaturate by 10%, it is **53.9368, 54.2441, 73.2737**.

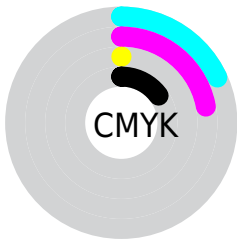
Distribution



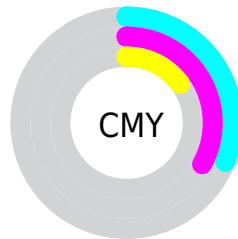
- Red (69%)
- Green (67%)
- Blue (85%)



- Red (69%)
- Yellow (67%)
- Blue (85%)



- Cyan (18%)
- Magenta (22%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0306, 43.1063, 71.5926 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 45.0306, 43.1063, 71.5926 by changing the saturation by 10% instead.

■ 45.0306, 43.1063,
71.5926

■ 45.0306, 43.1063,
71.5926

357.6791,
359.0487, 485.0617

■ 31.6829, 29.9685,
52.3411

■ 82.0031, 79.8712,
123.1795

■ 21.2738, 19.8147,
36.8930

106.3586,
104.2672, 156.3520

■ 13.4379, 12.2604,
24.8295

135.1142,
133.1847, 195.0019

■ 7.8098, 6.9213,
15.7322

168.6350,
167.0081, 239.5477

■ 4.0243, 3.4129,
9.1826

207.2866,
206.1218, 290.4081

■ 1.7159, 1.3509,
4.7620

251.4342,

■ 0.4662, 0.1801,

250.9102, 348.0016

2.0520

301.4433,
301.7577, 412.7466

■ 0.0000, 0.0000,
0.5870

■ 0.0000, 0.0000,
0.0000

■ 45.0306, 43.1063,
71.5926

■ 45.0306, 43.1063,
71.5926

■ 37.3679, 33.6084,
70.1639

■ 53.9368, 54.2441,
73.2737

■ 30.8890, 25.6675,
68.9726

■ 64.1344, 67.0888,
75.2155

■ 25.5353, 19.2015,
68.0067

■ 75.6740, 81.7103,
77.4295

■ 21.2416, 14.1186,
67.2519

■ 88.0238, 97.0162,
79.7330

■ 17.9357, 10.3167,
66.6923

■ 89.5245, 97.7898,
79.8032

■ 15.5364, 7.6791,
66.3097

■ 13.9484, 6.0674,
66.0823

■ 13.1300, 5.3220,
65.9815

Harmonies

Analogous

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



40.6624, 43.1063, 75.3397



45.0306, 43.1063, 71.5926



48.5122, 43.1063, 60.9315

Triad

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



45.0306, 43.1063, 71.5926



45.6042, 43.1063, 29.3538



33.1315, 43.1063, 46.0541

Complementary

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



45.0306, 43.1063, 71.5926



58.6482, 66.2306, 47.7248

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.



34.2553, 43.1063, 35.2657



45.0306, 43.1063, 71.5926



41.2817, 43.1063, 26.7530

Square

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



45.0306, 43.1063, 71.5926



48.8596, 43.1063, 36.5505



37.1635, 43.1063, 28.7099



33.9812, 43.1063, 59.1217

Rectangle

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



45.0306, 43.1063, 71.5926



49.7525, 43.1063, 52.1700



37.1635, 43.1063, 28.7099



33.2892, 43.1063, 42.0632

Sweetspot

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



45.0320, 43.1081, 71.5936



85.7324, 88.2371, 107.1206



52.3313, 60.0131, 74.4719



18.1422, 18.6243, 22.8886



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.



45.0320, 43.1081, 71.5936



59.6232, 55.5701, 102.1914



50.6576, 46.0082, 71.8568



12.5183, 12.7098, 16.4456



8.0031, 3.2499, 39.9439



0.5767, 0.2406, 2.5905

Inverse Universe

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



54.6241, 48.1560, 67.3903



75.8739, 64.1266, 94.8664



52.6205, 63.1232, 47.4427



13.5267, 13.2398, 16.0347



22.6341, 11.0547, 28.7828



1.4895, 0.7254, 1.9866

Previews

White Background



This preview shows how the XYZ color 45.0306, 43.1063, 71.5926 looks on a white background.

Color Contrast Check

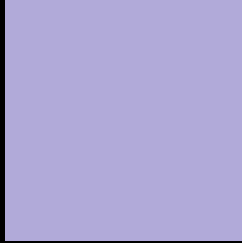
Large Text (above 18pt) WCAG AA × Fail

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 45.0306, 43.1063, 71.5926 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 45.0306, 43.1063, 71.5926

Background



This preview shows how black text looks on a background with the XYZ color 45.0306, 43.1063, 71.5926.



This preview shows how white text looks on a background with the XYZ color 45.0306, 43.1063,

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

45.0306, 43.1063, 71.5926

Protanopia

43.3642, 43.3319, 73.7885

Deuteranopia

44.2902, 43.2855, 71.6662



Tritanopia

41.5285, 43.1047, 54.2754

Trichromacy



Original Color

45.0306, 43.1063, 71.5926

Protanomaly

44.0919, 43.4366, 73.0780

Deuteranomaly

44.5429, 43.1342, 71.6237

Tritanomaly

42.7079, 43.0093, 60.0835

Monochromacy



Original Color

45.0306, 43.1063, 71.5926

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.7819, 43.4250, 55.9962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0306, 43.1063, 71.5926 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(177, 170, 217)` looks like.

```
.text, #text, p{  
    color:rgb(177, 170, 217)  
}
```

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(177, 170, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 170, 217) }
```

Border

The CSS property to change the border of an element to XYZ 45.0306, 43.1063, 71.5926 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(177, 170, 217) }
```


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

```
.border{ border-color:rgb(177, 170, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 170, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 170, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 170, 217);  
box-shadow:4px 4px 4px 4px rgb(177, 170,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0306, 43.1063, 71.5926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 170, 217) }
```

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

```
.background{ background-color: rgb(177,  
170, 217) }
```

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