

Converting Colors

XYZ(45.6950, 44.2444, 72.8237)

Have a look what the booklet for
XYZ(45.6950, 44.2444, 72.8237)
contains.

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Color

**XYZ(45.8612, 44.3487,
73.1608)**

Conversions

Conversions Part 1

Format	Color
Hex	B1ADDB
RGB	177, 173, 219
RGB Percent	69%, 68%, 86%
CMY	0.3059, 0.3216, 0.1412
CMYK	0.19, 0.21, 0.00, 0.14
HSL	245°, 39%, 77%
HSV	245°, 21%, 86%
XYZ	45.8612, 44.3487, 73.1608
YIQ	179.4400, -12.3820, 15.1540

Conversions

Conversions Part 2

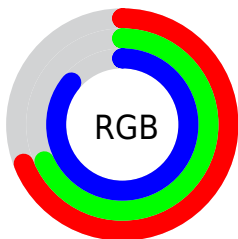
Format	Color
RYB	177, 173, 219
Decimal	11644379
CIELab	72.46, 10.87, -22.66
CIElCh	72, 25.128, 295.634
Yxy	44.3487, 0.2807, 0.2715
Android (android.graphics.Color)	4289834459 (0xFFB1ADDB)
YUV	179.4400, 19.5031, -2.1399
Hunter-Lab	66.5948, 6.3849, -18.5194

Details

The XYZ color **45.8612, 44.3487, 73.1608** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.9000, 68.1283, 49.4774**, and the grayscale version is **42.9875, 45.2262, 49.2513**.

A 20% lighter version of the original color is **79.3977, 80.0304, 105.8705**, and **21.8504, 20.6402, 37.9543** is the 20% darker color. If you saturate the color by 10%, you get **37.7754, 34.4498, 71.6770**, and if you desaturate by 10%, it is **55.3055, 55.9718, 74.9072**.

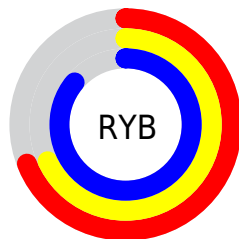
Distribution



Red (69%)

Green (68%)

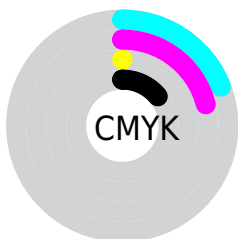
Blue (86%)



Red (69%)

Yellow (68%)

Blue (86%)

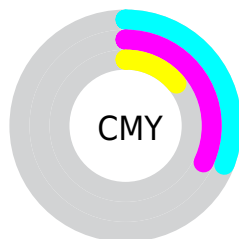


Cyan (19%)

Magenta (21%)

Yellow (0%)

Black (14%)



Cyan (31%)

Magenta (32%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8612, 44.3487, 73.1608 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 45.8612, 44.3487, 73.1608 by changing the saturation by 10% instead.

■ 45.8612, 44.3487,
73.1608

■ 45.8612, 44.3487,
73.1608

360.9756,
364.1293, 490.6576

■ 32.3405, 30.9447,
53.6148

■ 83.2404, 81.7422,
125.4285

■ 21.7785, 20.5568,
37.9027

107.8295,
106.5005, 158.9873

■ 13.8099, 12.8004,
25.6060

136.8388,
135.8124, 198.0541

■ 8.0694, 7.2912,
16.3060

170.6337,
170.0623, 243.0475

■ 4.1916, 3.6449,
9.5842

209.5795,
209.6345, 294.3861

■ 1.8111, 1.4770,
5.0222

254.0415,

■ 0.5243, 0.2724,

254.9135, 352.4882

2.2013

304.3851,
306.2836, 417.7726

■ 0.0000, 0.0000,
0.6751

■ 0.0000, 0.0000,
0.0000

■ 45.8612, 44.3487,
73.1608

■ 45.8612, 44.3487,
73.1608

■ 37.7754, 34.4498,
71.6770

■ 55.3055, 55.9718,
74.9072

■ 30.9815, 26.1879,
70.4404

■ 66.1625, 69.3902,
76.9250

■ 25.4136, 19.4761,
69.4383

■ 78.4884, 84.6774,
79.2261

■ 20.9982, 14.2176,
68.6560

■ 89.7863, 97.8945,
81.1818

■ 17.6541, 10.3042,
68.0770

■ 15.2890, 7.6130,
67.6822

■ 13.7952, 5.9983,
67.4492

■ 13.0556, 5.2534,
67.3444

Harmonies

Analogous

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



41.5208, 44.3487, 76.2096



45.8612, 44.3487, 73.1608



49.4122, 44.3487, 63.0525

Triad

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



45.8612, 44.3487, 73.1608



47.0335, 44.3487, 31.1449



34.3766, 44.3487, 46.4939

Complementary

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



45.8612, 44.3487, 73.1608



60.9000, 68.1283, 49.4774

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.



35.6405, 44.3487, 36.0298



45.8612, 44.3487, 73.1608



42.7897, 44.3487, 28.1857

Square

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



45.8612, 44.3487, 73.1608



50.1209, 44.3487, 38.6813



38.6486, 44.3487, 29.8081



35.0762, 44.3487, 59.3670

Rectangle

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



45.8612, 44.3487, 73.1608



50.7516, 44.3487, 54.4554



38.6486, 44.3487, 29.8081



34.5834, 44.3487, 42.6051

Sweetspot

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



45.8626, 44.3505, 73.1618



85.4077, 88.0697, 107.1054



54.3639, 62.6856, 76.2528



18.0658, 18.5849, 22.8850



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.



45.8626, 44.3505, 73.1618



59.7068, 56.4330, 102.3535



51.5061, 47.2598, 73.4259



12.4431, 12.6710, 16.4421



7.7798, 3.1348, 39.9334



0.5411, 0.2222, 2.5888

Inverse Universe

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



56.4241, 49.8552, 70.9408



77.0958, 65.4989, 98.5769



54.6561, 64.9094, 49.1852



13.5630, 13.2543, 16.2261



23.5219, 11.4098, 33.4578



1.5385, 0.7450, 2.2448

Previews

White Background



This preview shows how the XYZ color 45.8612, 44.3487, 73.1608 looks on a white background.

Color Contrast Check

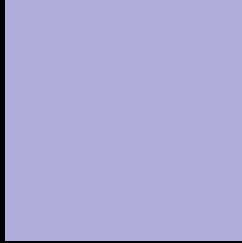
Large Text (above 18pt) WCAG AA × Fail

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 45.8612, 44.3487, 73.1608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

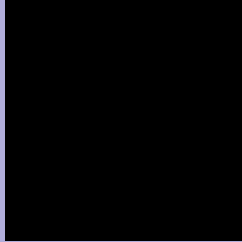
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8612, 44.3487, 73.1608

Background



This preview shows how black text looks on a background with the XYZ color 45.8612, 44.3487, 73.1608.



This preview shows how white text looks on a background with the XYZ color 45.8612, 44.3487,

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

45.8612, 44.3487, 73.1608

Protanopia

44.5128, 44.4866, 74.6473

Deuteranopia

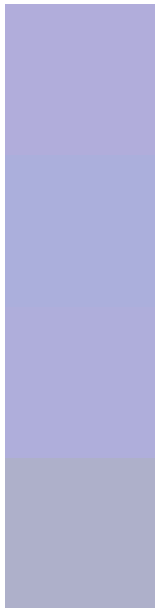
45.3778, 44.3852, 73.1934



Tritanopia

42.4481, 44.4172, 56.2053

Trichromacy



Original Color

45.8612, 44.3487, 73.1608

Protanomaly

45.0428, 44.4852, 73.9226

Deuteranomaly

45.6014, 44.5005, 73.2038

Tritanomaly

43.6416, 44.3136, 62.1303

Monochromacy



Original Color

45.8612, 44.3487, 73.1608

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.8198, 44.8043, 57.3775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8612, 44.3487, 73.1608 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, 173, 219)` looks like.

```
.text, #text, p{  
    color:rgb(177, 173, 219)  
}
```

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, 173, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 173, 219) }
```

Border

The CSS property to change the border of an element to XYZ 45.8612, 44.3487, 73.1608 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, 173, 219) }
```


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

```
.border{ border-color:rgb(177, 173, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 173, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 173, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 173, 219);  
box-shadow:4px 4px 4px 4px rgb(177, 173,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8612, 44.3487, 73.1608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 173, 219) }
```

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

```
.background{ background-color: rgb(177,  
173, 219) }
```

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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