

Converting Colors

XYZ(45.2005, 44.2632, 74.5679)

Have a look what the booklet for
XYZ(45.2005, 44.2632, 74.5679)
contains.

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Color

**XYZ(45.2005, 44.2632,
74.5679)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAEDD
RGB	172, 174, 221
RGB Percent	67%, 68%, 87%
CMY	0.3255, 0.3176, 0.1333
CMYK	0.22, 0.21, 0.00, 0.13
HSL	238°, 42%, 77%
HSV	238°, 22%, 87%
XYZ	45.2005, 44.2632, 74.5679
YIQ	178.7600, -16.2790, 14.1930

Conversions

Conversions Part 2

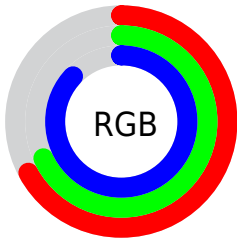
Format	Color
RYB	172, 174, 221
Decimal	11316957
CIELab	72.40, 9.22, -23.87
CIElCh	72, 25.589, 291.128
Yxy	44.2632, 0.2756, 0.2698
Android (android.graphics.Color)	4289507037 (0xFFACAEDD)
YUV	178.7600, 20.8243, -5.9285
Hunter-Lab	66.5306, 4.8433, -19.8812

Details

The XYZ color **45.2005, 44.2632, 74.5679** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.5974, 69.0142, 49.0530**, and the grayscale version is **42.6201, 44.8397, 48.8304**.

A 20% lighter version of the original color is **78.0642, 79.7526, 105.8871**, and **21.4502, 20.5942, 38.9209** is the 20% darker color. If you saturate the color by 10%, you get **36.9706, 34.4143, 73.1014**, and if you desaturate by 10%, it is **54.8861, 55.8240, 76.2896**.

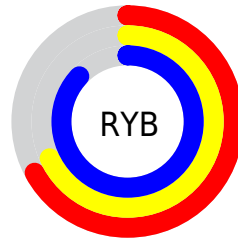
Distribution



Red (67%)

Green (68%)

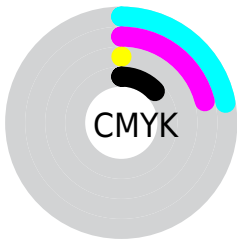
Blue (87%)



Red (67%)

Yellow (68%)

Blue (87%)

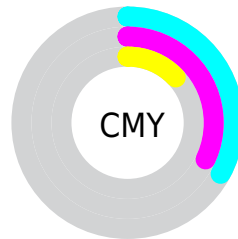


Cyan (22%)

Magenta (21%)

Yellow (0%)

Black (13%)



Cyan (33%)

Magenta (32%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2005, 44.2632, 74.5679 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 45.2005, 44.2632, 74.5679 by changing the saturation by 10% instead.

■ 45.2005, 44.2632,
74.5679

■ 45.2005, 44.2632,
74.5679

358.3550,
363.7812, 495.6468

■ 31.8173, 30.8775,
54.7594

■ 82.2564, 81.6136,
127.4420

■ 21.3769, 20.5056,
38.8118

106.6599,
106.3472, 161.3446

■ 13.5138, 12.7631,
26.3066

135.4675,
135.6321, 200.7824

■ 7.8627, 7.2656,
16.8254

169.0446,
169.8528, 246.1738

■ 4.0583, 3.6288,
9.9494

207.7565,
209.3936, 297.9374

■ 1.7352, 1.4681,
5.2603

251.9687,

■ 0.4781, 0.2661,

254.6391, 356.4917

2.3394

302.0464,
305.9735, 422.2554

■ 0.0000, 0.0000,
0.7531

■ 0.0000, 0.0000,
0.0000

■ 45.2005, 44.2632,
74.5679

■ 45.2005, 44.2632,
74.5679

■ 36.9706, 34.4143,
73.1014

■ 54.8861, 55.8240,
76.2896

■ 30.1219, 26.1909,
71.8751

■ 66.0884, 69.1668,
78.2746

■ 24.5802, 19.5071,
70.8770

■ 78.8703, 84.3647,
80.5344

■ 20.2621, 14.2673,
70.0932

■ 90.0513, 98.0005,
82.5771

■ 17.0749, 10.3647,
69.5079

■ 14.9125, 7.6782,
69.1034

■ 13.6489, 6.0645,
68.8585

■ 13.1492, 5.4164,
68.7597

Harmonies

Analogous

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



40.7772, 44.2632, 76.3767



45.2005, 44.2632, 74.5679



49.0206, 44.2632, 65.0903

Triad

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



45.2005, 44.2632, 74.5679



47.6173, 44.2632, 31.6593



34.2399, 44.2632, 44.5476

Complementary

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



45.2005, 44.2632, 74.5679



62.5974, 69.0142, 49.0530

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.



35.8111, 44.2632, 34.5100



45.2005, 44.2632, 74.5679



43.3916, 44.2632, 27.9701

Square

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



45.2005, 44.2632, 74.5679



50.4823, 44.2632, 39.9643



39.0891, 44.2632, 28.9137



34.6498, 44.2632, 57.4849

Rectangle

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



45.2005, 44.2632, 74.5679



50.6113, 44.2632, 56.4806



39.0891, 44.2632, 28.9137



34.5496, 44.2632, 40.7623

Sweetspot

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



45.2019, 44.2650, 74.5689



83.5644, 86.3289, 106.8666



55.5977, 65.5753, 76.4354



17.6850, 18.2383, 22.8382



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.



45.2019, 44.2650, 74.5689



56.5254, 54.0565, 102.0625



50.0658, 46.2029, 74.6866



12.3811, 12.7020, 16.4513



7.6585, 3.1863, 39.9498



0.5115, 0.2372, 2.5933

Inverse Universe

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



52.2125, 47.9346, 46.5466



68.0116, 60.1135, 56.1406



56.8438, 66.8276, 48.9342



13.0775, 13.0601, 13.6693



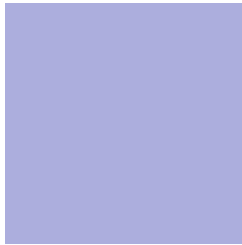
17.3610, 8.9454, 1.0149



1.1325, 0.5826, 0.1066

Previews

White Background



This preview shows how the XYZ color 45.2005, 44.2632, 74.5679 looks on a white background.

Color Contrast Check

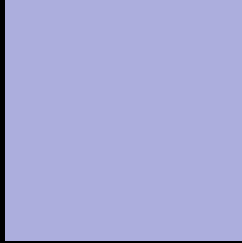
Large Text (above 18pt) WCAG AA × Fail

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 45.2005, 44.2632, 74.5679 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 45.2005, 44.2632, 74.5679

Background



This preview shows how black text looks on a background with the XYZ color 45.2005, 44.2632, 74.5679.



This preview shows how white text looks on a background with the XYZ color 45.2005, 44.2632,

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

45.2005, 44.2632, 74.5679

Protanopia

44.4360, 44.4316, 75.3414

Deuteranopia

45.2005, 44.2632, 74.5679



Tritanopia

41.6821, 44.3059, 56.8071

Trichromacy



Original Color

45.2005, 44.2632, 74.5679

Protanomaly

44.6632, 44.2587, 75.2960

Deuteranomaly

45.2005, 44.2632, 74.5679

Tritanomaly

42.8638, 44.1911, 62.7705

Monochromacy



Original Color

45.2005, 44.2632, 74.5679

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.3642, 44.5694, 57.3562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2005, 44.2632, 74.5679 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(172, 174, 221)` looks like.

```
.text, #text, p{  
    color:rgb(172, 174, 221)  
}
```

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(172, 174, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 174, 221) }
```

Border

The CSS property to change the border of an element to XYZ 45.2005, 44.2632, 74.5679 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(172, 174, 221) }
```


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

```
.border{ border-color:rgb(172, 174, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 174, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 174, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 174, 221);  
box-shadow:4px 4px 4px 4px rgb(172, 174,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2005, 44.2632, 74.5679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 174, 221) }
```

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

```
.background{ background-color: rgb(172,  
174, 221) }
```

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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