

Converting Colors

XYZ(43.7718, 42.8246, 78.5968)

Have a look what the booklet for
XYZ(43.7718, 42.8246, 78.5968)
contains.

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Color

**XYZ(43.7219, 42.8376,
78.6371)**

Conversions

Conversions Part 1

Format	Color
Hex	A3ACE3
RGB	163, 172, 227
RGB Percent	64%, 67%, 89%
CMY	0.3608, 0.3255, 0.1098
CMYK	0.28, 0.24, 0.00, 0.11
HSL	232°, 53%, 76%
HSV	232°, 28%, 89%
XYZ	43.7219, 42.8376, 78.6371
YIQ	175.5790, -23.0190, 15.1970

Conversions

Conversions Part 2

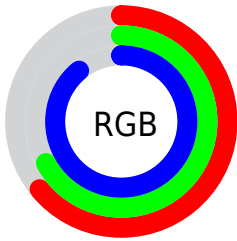
Format	Color
RYB	163, 171, 227
Decimal	10726627
CIELab	71.44, 9.06, -28.67
CIELCh	71, 30.070, 287.529
Yxy	42.8376, 0.2647, 0.2593
Android (android.graphics.Color)	4288916707 (0xFFA3ACE3)
YUV	175.5790, 25.3506, -11.0318
Hunter-Lab	65.4504, 4.7025, -25.4202

Details

The XYZ color **43.7219, 42.8376, 78.6371** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.3616, 69.1186, 44.6535**, and the grayscale version is **40.9299, 43.0614, 46.8939**.

A 20% lighter version of the original color is **74.7325, 77.2182, 105.5735**, and **20.4976, 19.6882, 41.2479** is the 20% darker color. If you saturate the color by 10%, you get **36.0405, 33.7656, 77.2916**, and if you desaturate by 10%, it is **52.7854, 53.4330, 80.2053**.

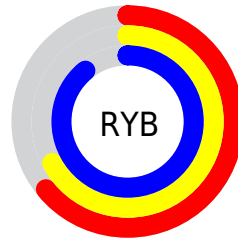
Distribution



Red (64%)

Green (67%)

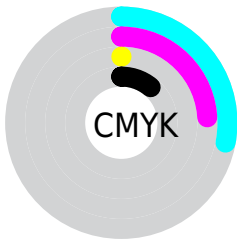
Blue (89%)



Red (64%)

Yellow (67%)

Blue (89%)

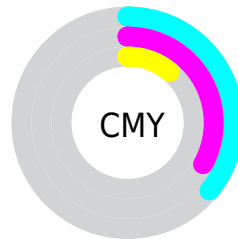


Cyan (28%)

Magenta (24%)

Yellow (0%)

Black (11%)



Cyan (36%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7219, 42.8376, 78.6371 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 43.7219, 42.8376, 78.6371 by changing the saturation by 10% instead.

■ 43.7219, 42.8376,
78.6371

■ 43.7219, 42.8376,
78.6371

352.4436,
357.9435, 509.9129

■ 30.6489, 29.7577,
58.0779

■ 80.0480, 79.4657,
133.2419

■ 20.4822, 19.6548,
41.4562

■ 104.0319,
103.7828, 168.1246

■ 12.8563, 12.1443,
28.3533

132.3835,
132.6143, 208.6188

■ 7.4060, 6.8421,
18.3508

165.4680,
166.3448, 255.1432

■ 3.7659, 3.3635,
11.0301

203.6510,
205.3585, 308.1163

■ 1.5705, 1.3243,
5.9727

247.2976,

■ 0.3731, 0.1599,

250.0400, 367.9566

2.7599

296.7734,
300.7735, 435.0826

■ 0.0000, 0.0000,
0.9734

■ 0.0000, 0.0000,
0.0000

■ 43.7219, 42.8376,
78.6371

■ 43.7219, 42.8376,
78.6371

■ 36.0405, 33.7656,
77.2916

■ 52.7854, 53.4330,
80.2053

■ 29.6685, 26.1417,
76.1559

■ 63.2901, 65.6124,
82.0024

■ 24.5333, 19.8915,
75.2201

■ 75.2972, 79.4393,
84.0385

■ 20.5532, 14.9322,
74.4727

■ 88.8626, 94.9723,
86.3217

■ 17.6362, 11.1715,
73.9005

■ 90.8653, 98.3261,
86.8635

■ 15.6762, 8.5048,
73.4891

■ 14.5310, 6.8013,
73.2207

■ 14.3797, 6.5751,
73.1850

Harmonies

Analogous

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



38.6475, 42.8376, 79.5435



43.7219, 42.8376, 78.6371



48.3350, 42.8376, 68.1386

Triad

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



43.7219, 42.8376, 78.6371



47.6565, 42.8376, 28.9373



31.9230, 42.8376, 40.8720

Complementary

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



43.7219, 42.8376, 78.6371



63.3616, 69.1186, 44.6535

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.



33.9427, 42.8376, 30.2226



43.7219, 42.8376, 78.6371



42.8567, 42.8376, 24.3554

Square

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



43.7219, 42.8376, 78.6371



50.7329, 42.8376, 38.7322



37.8508, 42.8376, 24.7710



32.1126, 42.8376, 55.5634

Rectangle

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



43.7219, 42.8376, 78.6371



50.4008, 42.8376, 58.1437



37.8508, 42.8376, 24.7710



32.3586, 42.8376, 36.7684

Sweetspot

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



43.7233, 42.8393, 78.6381



82.5992, 85.6544, 106.7873



55.1509, 67.7562, 76.0911



17.2090, 17.7896, 22.7767



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.



43.7233, 42.8393, 78.6381



50.6834, 48.4197, 101.2824



47.0678, 42.1060, 78.3203



13.7455, 14.2124, 18.1631



8.4360, 3.9342, 42.6979



0.6754, 0.3947, 3.1726

Inverse Universe

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



52.2233, 45.5052, 45.0623



63.5866, 52.6916, 50.2629



59.1476, 70.5057, 45.1433



14.4591, 14.4008, 15.3522



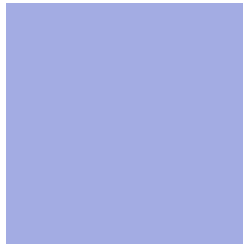
18.6516, 9.5949, 1.7945



1.4045, 0.7195, 0.2708

Previews

White Background



This preview shows how the XYZ color 43.7219, 42.8376, 78.6371 looks on a white background.

Color Contrast Check

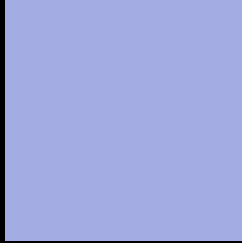
Large Text (above 18pt) WCAG AA × Fail

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 43.7219, 42.8376, 78.6371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

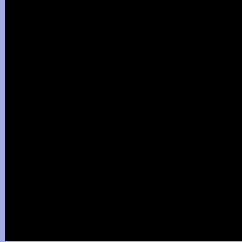
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.7219, 42.8376, 78.6371

Background



This preview shows how black text looks on a background with the XYZ color 43.7219, 42.8376, 78.6371.



This preview shows how white text looks on a background with the XYZ color 43.7219, 42.8376,

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

43.7219, 42.8376, 78.6371

Protanopia

43.4444, 42.9622, 79.4015

Deuteranopia

43.9275, 42.9436, 78.6468



Tritanopia

39.2563, 42.7590, 56.6364

Trichromacy



Original Color

43.7219, 42.8376, 78.6371

Protanomaly

43.6451, 43.0656, 79.4109

Deuteranomaly

43.9275, 42.9436, 78.6468

Tritanomaly

40.8429, 42.8294, 63.8719

Monochromacy



Original Color

43.7219, 42.8376, 78.6371

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.9749, 43.2580, 57.7671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7219, 42.8376, 78.6371 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(163, 172, 227)` looks like.

```
.text, #text, p{  
    color:rgb(163, 172, 227)  
}
```

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(163, 172, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 172, 227) }
```

Border

The CSS property to change the border of an element to XYZ 43.7219, 42.8376, 78.6371 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(163, 172, 227) }
```


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

```
.border{ border-color:rgb(163, 172, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 172, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 172, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 172, 227);  
box-shadow:4px 4px 4px 4px rgb(163, 172,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7219, 42.8376, 78.6371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 172, 227) }
```

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

```
.background{ background-color: rgb(163,  
172, 227) }
```

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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