

Converting Colors

XYZ(42.9276, 42.5313, 66.0606)

Have a look what the booklet for
XYZ(42.9276, 42.5313, 66.0606)
contains.

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Color

**XYZ(42.8661, 42.3872,
66.2439)**

Conversions

Conversions Part 1

Format	Color
Hex	ABABD1
RGB	171, 171, 209
RGB Percent	67%, 67%, 82%
CMY	0.3294, 0.3294, 0.1804
CMYK	0.18, 0.18, 0.00, 0.18
HSL	240°, 29%, 75%
HSV	240°, 18%, 82%
XYZ	42.8661, 42.3872, 66.2439
YIQ	175.3320, -12.1980, 11.8180

Conversions

Conversions Part 2

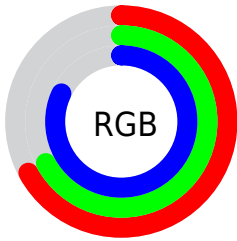
Format	Color
RYB	171, 171, 209
Decimal	11250641
CIELab	71.14, 7.85, -19.23
CIELCh	71, 20.773, 292.196
Yxy	42.3872, 0.2829, 0.2798
Android (android.graphics.Color)	4289440721 (0xFFABABD1)
YUV	175.3320, 16.5983, -3.7992
Hunter-Lab	65.1055, 3.5917, -14.7529

Details

The XYZ color **42.8661, 42.3872, 66.2439** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.4460, 62.0964, 47.5398**, and the grayscale version is **40.8418, 42.9687, 46.7929**.

A 20% lighter version of the original color is **76.9249, 77.9436, 105.5980**, and **19.9008, 19.3783, 33.2634** is the 20% darker color. If you saturate the color by 10%, you get **35.0283, 32.9434, 64.8348**, and if you desaturate by 10%, it is **52.0505, 53.4539, 67.8966**.

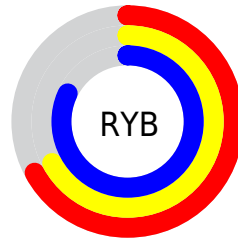
Distribution



Red (67%)

Green (67%)

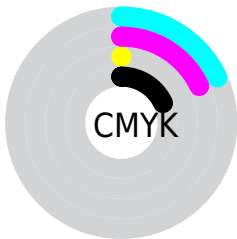
Blue (82%)



Red (67%)

Yellow (67%)

Blue (82%)

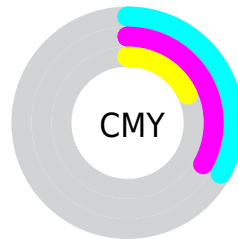


Cyan (18%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (33%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8661, 42.3872, 66.2439 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 42.8661, 42.3872, 66.2439 by changing the saturation by 10% instead.

■ 42.8661, 42.3872,
66.2439

■ 42.8661, 42.3872,
66.2439

348.9917,
356.0855, 465.6767

■ 29.9741, 29.4046,
48.0127

■ 78.7657, 78.7853,
115.4667

■ 19.9669, 19.3871,
33.4769

102.5041,
102.9696, 147.2953

■ 12.4791, 11.9503,
22.2179

130.5887,
131.6566, 184.4935

■ 7.1454, 6.7099,
13.8173

163.3848,
165.2306, 227.4798

■ 3.6003, 3.2813,
7.8564

201.2578,
204.0761, 276.6727

■ 1.4786, 1.2803,
3.9167

244.5730,

■ 0.3112, 0.1259,

248.5775, 332.4908

1.5798

293.6959,
299.1192, 395.3526

■ 0.0000, 0.0000,
0.2763

■ 0.0000, 0.0000,
0.0000

■ 42.8661, 42.3872,
66.2439

■ 42.8661, 42.3872,
66.2439

■ 35.0283, 32.9434,
64.8348

■ 52.0505, 53.4539,
67.8966

■ 28.4701, 25.0412,
63.6552

■ 62.6365, 66.2090,
69.8007

■ 23.1248, 18.6005,
62.6938

■ 74.6806, 80.7212,
71.9670

■ 18.9181, 13.5317,
61.9371

■ 88.2352, 97.0533,
74.4050

■ 15.7675, 9.7354,
61.3704

■ 88.5088, 97.3835,
74.4543

■ 13.5794, 7.0987,
60.9768

■ 12.2438, 5.4893,
60.7366

■ 11.5977, 4.7108,
60.6203

■ 11.5089, 4.6037,
60.6044

Harmonies

Analogous

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



39.3869, 42.3872, 67.8359



42.8661, 42.3872, 66.2439



45.8034, 42.3872, 58.9097

Triad

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



42.8661, 42.3872, 66.2439



44.5256, 42.3872, 32.6189



34.0214, 42.3872, 43.6014

Complementary

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



42.8661, 42.3872, 66.2439



56.4460, 62.0964, 47.5398

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.



35.2337, 42.3872, 35.3843



42.8661, 42.3872, 66.2439



41.2023, 42.3872, 29.6653

Square

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



42.8661, 42.3872, 66.2439



46.7993, 42.3872, 39.2916



37.8149, 42.3872, 30.5994



34.4101, 42.3872, 53.7688

Rectangle

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



42.8661, 42.3872, 66.2439



46.9932, 42.3872, 52.2570



37.8149, 42.3872, 30.5994



34.2526, 42.3872, 40.5428

Sweetspot

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



42.8674, 42.3889, 66.2449



86.5806, 89.7951, 107.3766



51.0262, 58.8318, 68.5783



18.2869, 18.9247, 22.9390



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.



42.8674, 42.3889, 66.2449



61.9777, 60.1506, 102.9514



47.1498, 44.5960, 66.4452



11.1638, 11.4178, 14.8591



7.0960, 2.8385, 37.3664



0.3968, 0.1587, 2.0893

Inverse Universe

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



48.2092, 45.6225, 44.7951



71.9379, 66.1799, 62.9561



51.5458, 59.5709, 47.3107



11.8088, 11.8083, 12.2690



16.2124, 8.3578, 0.7590



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 42.8661, 42.3872, 66.2439 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 42.8661, 42.3872, 66.2439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

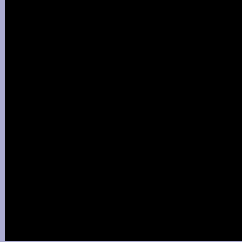
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8661, 42.3872, 66.2439

Background



This preview shows how black text looks on a background with the XYZ color 42.8661, 42.3872, 66.2439.



This preview shows how white text looks on a background with the XYZ color 42.8661, 42.3872,

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

42.8661, 42.3872, 66.2439

Protanopia

42.1113, 42.2652, 66.9113

Deuteranopia

43.3389, 42.3516, 66.2121



Tritanopia

40.3434, 42.5063, 53.6552

Trichromacy



Original Color

42.8661, 42.3872, 66.2439

Protanomaly

42.5338, 42.4830, 66.9310

Deuteranomaly

43.1169, 42.2371, 66.2017

Tritanomaly

41.2483, 42.5825, 58.2698

Monochromacy



Original Color

42.8661, 42.3872, 66.2439

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.5613, 42.8586, 53.0957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8661, 42.3872, 66.2439 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(171, 171, 209)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 209)  
}
```

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(171, 171, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 209) }
```

Border

The CSS property to change the border of an element to XYZ 42.8661, 42.3872, 66.2439 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(171, 171, 209) }
```


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

```
.border{ border-color:rgb(171, 171, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 209);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8661, 42.3872, 66.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 209) }
```

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

```
.background{ background-color: rgb(171,  
171, 209) }
```

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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