

Converting Colors

XYZ(42.4510, 40.8261, 72.8679)

Have a look what the booklet for
XYZ(42.4510, 40.8261, 72.8679)
contains.

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Color

**XYZ(42.5412, 40.9674,
72.6832)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A7DB
RGB	167, 167, 219
RGB Percent	65%, 65%, 86%
CMY	0.3451, 0.3451, 0.1412
CMYK	0.24, 0.24, 0.00, 0.14
HSL	240°, 42%, 76%
HSV	240°, 24%, 86%
XYZ	42.5412, 40.9674, 72.6832
YIQ	172.9280, -16.6920, 16.1720

Conversions

Conversions Part 2

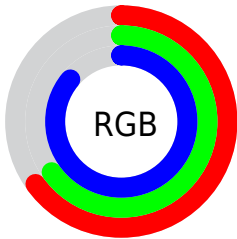
Format	Color
RYB	167, 167, 219
Decimal	10987483
CIELab	70.15, 11.12, -26.25
CIELCh	70, 28.509, 292.952
Yxy	40.9674, 0.2724, 0.2623
Android (android.graphics.Color)	4289177563 (0xFFA7A7DB)
YUV	172.9280, 22.7135, -5.1989
Hunter-Lab	64.0058, 6.6292, -22.5240

Details

The XYZ color **42.5412, 40.9674, 72.6832** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.5204, 68.5131, 46.5422**, and the grayscale version is **39.5789, 41.6401, 45.3461**.

A 20% lighter version of the original color is **74.6027, 75.1505, 105.1813**, and **19.7710, 18.5192, 37.6545** is the 20% darker color. If you saturate the color by 10%, you get **34.6227, 31.4262, 71.2596**, and if you desaturate by 10%, it is **51.9251, 52.2744, 74.3718**.

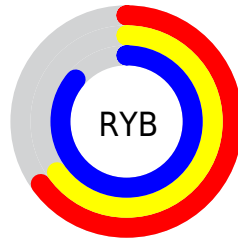
Distribution



Red (65%)

Green (65%)

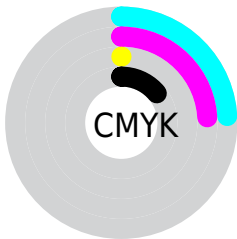
Blue (86%)



Red (65%)

Yellow (65%)

Blue (86%)

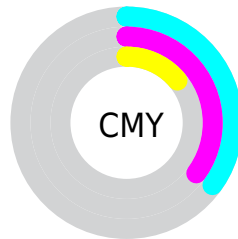


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (14%)



Cyan (35%)

Magenta (35%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5412, 40.9674, 72.6832 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 42.5412, 40.9674, 72.6832 by changing the saturation by 10% instead.

■ 42.5412, 40.9674,
72.6832

■ 42.5412, 40.9674,
72.6832

347.6751,
350.1843, 488.9574

■ 29.7183, 28.2936,
53.2267

■ 78.2781, 76.6344,
124.7441

■ 19.7718, 18.5471,
37.5948

■ 101.9228,
100.3964, 158.1856

■ 12.3366, 11.3435,
25.3690

129.9054,
128.6233, 197.1259

■ 7.0472, 6.2984,
16.1307

162.5913,
161.6994, 241.9834

■ 3.5382, 3.0273,
9.4613

200.3459,
200.0092, 293.1768

■ 1.4444, 1.1460,
4.9424

243.5345,

■ 0.2875, 0.0169,

243.9370, 351.1246

2.1553

292.5224,
293.8673, 416.2453

■ 0.0000, 0.0000,
0.6484

■ 0.0000, 0.0000,
0.0000

■ 42.5412, 40.9674,
72.6832

■ 42.5412, 40.9674,
72.6832

■ 34.6227, 31.4262,
71.2596

■ 51.9251, 52.2744,
74.3718

■ 28.0920, 23.5572,
70.0849

■ 62.8390, 65.4248,
76.3348

■ 22.8704, 17.2654,
69.1457

■ 75.3482, 80.4975,
78.5848

■ 18.8696, 12.4448,
68.4261

■ 89.5133, 97.5653,
81.1327

■ 15.9907, 8.9758,
67.9082

■ 89.7863, 97.8945,
81.1818

■ 14.1191, 6.7205,
67.5716

■ 13.1160, 5.5118,
67.3911

■ 12.7864, 5.1147,
67.3319

Harmonies

Analogous

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



37.8482, 40.9674, 75.2599



42.5412, 40.9674, 72.6832



46.5435, 40.9674, 61.9390

Triad

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



42.5412, 40.9674, 72.6832



44.5952, 40.9674, 27.0873



30.6989, 40.9674, 41.5287

Complementary

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



42.5412, 40.9674, 72.6832



61.5204, 68.5131, 46.5422

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.



32.2102, 40.9674, 30.8528



42.5412, 40.9674, 72.6832



40.0491, 40.9674, 23.6637

Square

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



42.5412, 40.9674, 72.6832



47.7939, 40.9674, 35.3218



35.5448, 40.9674, 24.8896



31.2502, 40.9674, 55.3905

Rectangle

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



42.5412, 40.9674, 72.6832



48.1570, 40.9674, 52.5680



35.5448, 40.9674, 24.8896



30.9782, 40.9674, 37.4924

Sweetspot

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



42.5425, 40.9690, 72.6841



83.3529, 85.9059, 106.7961



53.9411, 63.9483, 75.9222



17.6363, 18.1408, 22.8219



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.



42.5425, 40.9690, 72.6841



54.7794, 51.4769, 101.6566



48.3779, 43.9769, 72.9571



12.3388, 12.6173, 16.4372



7.5817, 3.0327, 39.9242



0.4912, 0.1965, 2.5865

Inverse Universe

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



50.0082, 45.4886, 42.7055



66.9076, 58.8190, 52.9558



54.5214, 64.9056, 46.2147



13.0561, 13.0515, 13.5567



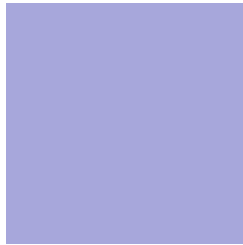
17.3222, 8.9299, 0.8108



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 42.5412, 40.9674, 72.6832 looks on a white background.

Color Contrast Check

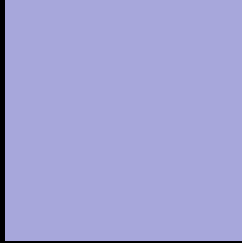
Large Text (above 18pt) WCAG AA × Fail

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 42.5412, 40.9674, 72.6832 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 42.5412, 40.9674, 72.6832

Background



This preview shows how black text looks on a background with the XYZ color 42.5412, 40.9674, 72.6832.



This preview shows how white text looks on a background with the XYZ color 42.5412, 40.9674,

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

42.5412, 40.9674, 72.6832

Protanopia

41.3397, 40.8655, 74.1156

Deuteranopia

41.8931, 40.9063, 72.7055



Tritanopia

38.6112, 41.0521, 52.9025

Trichromacy



Original Color

42.5412, 40.9674, 72.6832

Protanomaly

41.6188, 40.7496, 73.3821

Deuteranomaly

42.0987, 41.0122, 72.7152

Tritanomaly

39.9760, 41.0359, 59.8466

Monochromacy



Original Color

42.5412, 40.9674, 72.6832

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.6518, 41.5015, 54.5832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5412, 40.9674, 72.6832 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(167, 167, 219)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 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(167, 167, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 219) }
```

Border

The CSS property to change the border of an element to XYZ 42.5412, 40.9674, 72.6832 is called "border". The border property can be set on classes, ids or directly on the HTML element.

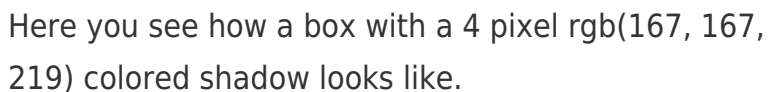
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 167, 219) }
```


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

```
.border{ border-color:rgb(167, 167, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 167, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 167, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 167, 219); box-shadow:4px 4px 4px 4px rgb(167, 167, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5412, 40.9674, 72.6832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 219) }
```

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

```
.background{ background-color: rgb(167,  
167, 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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