

Converting Colors

XYZ(42.2368, 42.1607, 61.7888)

Have a look what the booklet for
XYZ(42.2368, 42.1607, 61.7888)
contains.

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Color

**XYZ(42.2368, 42.1607,
61.7888)**

Conversions

Conversions Part 1

Format	Color
Hex	ACABCA
RGB	172, 171, 202
RGB Percent	67%, 67%, 79%
CMY	0.3255, 0.3294, 0.2078
CMYK	0.15, 0.15, 0.00, 0.21
HSL	242°, 23%, 73%
HSV	242°, 15%, 79%
XYZ	42.2368, 42.1607, 61.7888
YIQ	174.8330, -9.3550, 9.8530

Conversions

Conversions Part 2

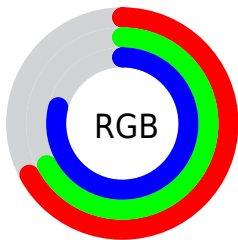
Format	Color
R _Y B	172, 171, 202
Decimal	11316170
CIE _{Lab}	70.98, 6.63, -15.61
CIE _{LCh}	71, 16.964, 293.013
Yxy	42.1607, 0.2889, 0.2884
Android (android.graphics.Color)	4289506250 (0xFFACABCA)
YUV	174.8330, 13.3933, -2.4845
Hunter-Lab	64.9313, 2.4818, -10.9687

Details

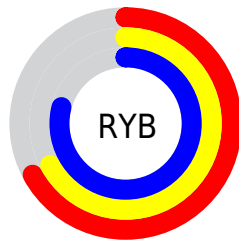
The XYZ color **42.2368, 42.1607, 61.7888** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.5600, 57.5999, 46.8777**, and the grayscale version is **40.5987, 42.7130, 46.5144**.

A 20% lighter version of the original color is **77.2413, 78.1067, 105.6128**, and **19.5499, 19.2537, 30.7029** is the 20% darker color. If you saturate the color by 10%, you get **34.7295, 33.0535, 60.4273**, and if you desaturate by 10%, it is **50.9609, 52.7629, 63.3761**.

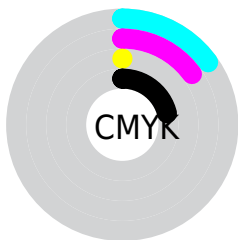
Distribution



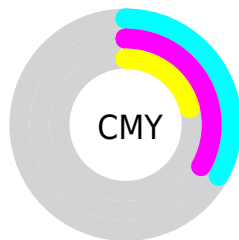
- Red (67%)
- Green (67%)
- Blue (79%)



- Red (67%)
- Yellow (67%)
- Blue (79%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (21%)



- Cyan (33%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2368, 42.1607, 61.7888 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 42.2368, 42.1607, 61.7888 by changing the saturation by 10% instead.

■ 42.2368, 42.1607,
61.7888

■ 42.2368, 42.1607,
61.7888

346.4386,
355.1487, 449.1467

■ 29.4787, 29.2271,
44.4274

■ 77.8208, 78.4428,
108.9889

■ 19.5893, 19.2527,
30.6670

101.3774,
102.5601, 139.6646

■ 12.2034, 11.8530,
20.0891

129.2642,
131.1741, 175.6155

■ 6.9555, 6.6437,
12.2751

161.8465,
164.6692, 217.2601

■ 3.4804, 3.2403,
6.8065

199.4898,
203.4299, 265.0170

■ 1.4126, 1.2584,
3.2648

242.5593,

■ 0.2652, 0.1087,

247.8404, 319.3047

1.2314

291.4205,
298.2852, 380.5417

■ 0.0000, 0.0000,
0.0045

■ 0.0000, 0.0000,
0.0000

■ 42.2368, 42.1607,
61.7888

■ 42.2368, 42.1607,
61.7888

■ 34.7295, 33.0535,
60.4273

■ 50.9609, 52.7629,
63.3761

■ 28.3814, 25.3692,
59.2787

■ 60.9486, 64.9177,
65.1958

■ 23.1359, 19.0376,
58.3330

■ 72.2485, 78.6858,
67.2577

■ 18.9301, 13.9803,
57.5785

■ 84.9061, 94.1233,
69.5704

■ 15.6947, 10.1110,
57.0022

■ 87.6608, 97.0443,
69.9890

■ 13.3524, 7.3326,
56.5894

■ 11.8135, 5.5329,
56.3231

■ 10.9698, 4.5751,
56.1827

■ 10.7422, 4.3063,
56.1428

Harmonies

Analogous

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



39.4144, 42.1607, 63.1693



42.2368, 42.1607, 61.7888



44.5763, 42.1607, 55.9305

Triad

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



42.2368, 42.1607, 61.7888



43.4349, 42.1607, 34.5529



34.9123, 42.1607, 44.0368

Complementary

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



42.2368, 42.1607, 61.7888



52.5600, 57.5999, 46.8777

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.



35.8828, 42.1607, 37.1569



42.2368, 42.1607, 61.7888



40.7378, 42.1607, 32.1145

Square

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



42.2368, 42.1607, 61.7888



45.2904, 42.1607, 40.0811



37.9834, 42.1607, 33.0085



35.2716, 42.1607, 52.2692

Rectangle

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



42.2368, 42.1607, 61.7888



45.5029, 42.1607, 50.6091



37.9834, 42.1607, 33.0085



35.0922, 42.1607, 41.5034

Sweetspot

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



42.2381, 42.1624, 61.7897



86.7217, 89.8675, 107.3832



48.4560, 54.9222, 63.9249



18.3210, 18.9422, 22.9405



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.



42.2381, 42.1624, 61.7897



67.6182, 66.6566, 103.9099



45.7226, 43.9588, 61.9528



10.6346, 10.8609, 14.1062



6.9268, 2.7784, 36.1275



0.3693, 0.1495, 1.8643

Inverse Universe

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



49.4640, 45.9012, 61.5130



81.8779, 74.0352, 103.3400



48.7181, 55.6193, 46.6979



11.6713, 11.3973, 14.0699



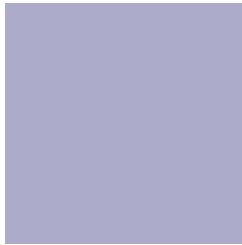
22.0549, 10.6326, 34.3374



1.1428, 0.5505, 1.7978

Previews

White Background



This preview shows how the XYZ color 42.2368, 42.1607, 61.7888 looks on a white background.

Color Contrast Check

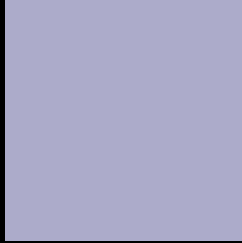
Large Text (above 18pt) WCAG AA × Fail

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 42.2368, 42.1607, 61.7888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

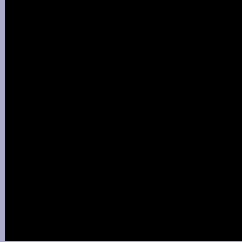
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2368, 42.1607, 61.7888

Background



This preview shows how black text looks on a background with the XYZ color 42.2368, 42.1607, 61.7888.



This preview shows how white text looks on a background with the XYZ color 42.2368, 42.1607,

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

42.2368, 42.1607, 61.7888

Protanopia

41.6805, 42.1417, 62.4373

Deuteranopia

42.9801, 41.9873, 61.7162



Tritanopia

40.4679, 42.2950, 53.0446

Trichromacy



Original Color

42.2368, 42.1607, 61.7888

Protanomaly

41.8942, 42.2519, 62.4473

Deuteranomaly

42.7146, 42.1277, 61.7573

Tritanomaly

41.0356, 42.2390, 55.8593

Monochromacy



Original Color

42.2368, 42.1607, 61.7888

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.3486, 42.7736, 51.9758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2368, 42.1607, 61.7888 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, 171, 202)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 202)  
}
```

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, 171, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 202) }
```

Border

The CSS property to change the border of an element to XYZ 42.2368, 42.1607, 61.7888 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, 171, 202) }
```


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

```
.border{ border-color:rgb(172, 171, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 202);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2368, 42.1607, 61.7888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 202) }
```

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

```
.background{ background-color: rgb(172,  
171, 202) }
```

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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