

Converting Colors

XYZ(42.2761, 31.2468, 43.2628)

Have a look what the booklet for
XYZ(42.2761, 31.2468, 43.2628)
contains.

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Color

**XYZ(42.2339, 31.2323,
43.3376)**

Conversions

Conversions Part 1

Format	Color
Hex	D67AAD
RGB	214, 122, 173
RGB Percent	84%, 48%, 68%
CMY	0.1608, 0.5215, 0.3216
CMYK	0.00, 0.43, 0.19, 0.16
HSL	327°, 53%, 66%
HSV	327°, 43%, 84%
XYZ	42.2339, 31.2323, 43.3376
YIQ	155.3220, 38.4610, 35.3650

Conversions

Conversions Part 2

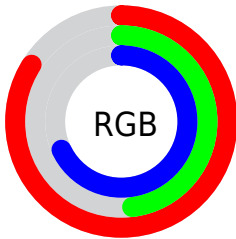
Format	Color
R _Y B	214, 122, 173
Decimal	14056109
CIE Lab	62.70, 42.31, -11.42
CIE LCh	63, 43.820, 344.890
Yxy	31.2323, 0.3616, 0.2674
Android (android.graphics.Color)	4292246189 (0xFFD67AAD)
YUV	155.3220, 8.7153, 51.4606
Hunter-Lab	55.8859, 37.0952, -6.8573

Details

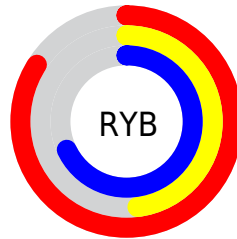
The XYZ color **42.2339, 31.2323, 43.3376** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **38.6849, 54.8760, 43.2060**, and the grayscale version is **31.2498, 32.8772, 35.8033**.

A 20% lighter version of the original color is **70.7689, 57.9121, 80.8470**, and **19.5460, 12.9289, 19.5545** is the 20% darker color. If you saturate the color by 10%, you get **38.9996, 26.1881, 37.8676**, and if you desaturate by 10%, it is **46.1144, 37.4628, 49.3487**.

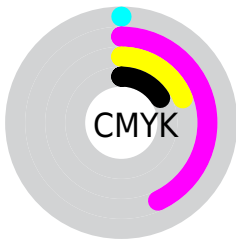
Distribution



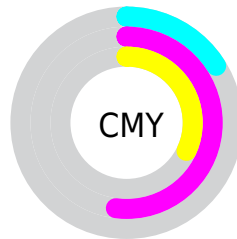
- Red (84%)
- Green (48%)
- Blue (68%)



- Red (84%)
- Yellow (48%)
- Blue (68%)



- Cyan (0%)
- Magenta (43%)
- Yellow (19%)
- Black (16%)





- Cyan (16%)
- Magenta (52%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2339, 31.2323, 43.3376 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 42.2339, 31.2323, 43.3376 by changing the saturation by 10% instead.


 42.2339, 31.2323,
43.3376

 42.2339, 31.2323,
43.3376


346.4268,
307.6071, 375.9602


 29.4764, 20.7758,
29.8167


 77.8164, 61.6056,
81.5119

 19.5876, 12.9602,
19.4487

 101.3722, 82.2912,
107.0024

 12.2021, 7.4012,
11.8148

 129.2581,
107.1553, 137.3198

 6.9547, 3.7142,
6.4967

161.8394,
136.5823, 172.8827

 3.4798, 1.5150,
3.0758

199.4816,
170.9566, 214.1097

 1.4123, 0.2993,
1.1335

242.5500,

 0.2650, 0.0000,

210.6626, 261.4193

0.0000

291.4099,
256.0846, 315.2299

■ 0.0000, 0.0000,
0.0000

■ 42.2339, 31.2323,
43.3376

■ 42.2339, 31.2323,
43.3376

■ 38.9996, 26.1881,
37.8676

■ 46.1144, 37.4628,
49.3487

■ 36.3691, 22.2485,
32.9170

■ 50.6746, 44.9455,
55.9176

■ 34.2988, 19.3283,
28.4644


■ 55.9489, 53.7467,
63.0625


■ 32.7376, 17.3277,
24.4858

■ 61.9683, 63.9266,
70.8000


■ 31.6244, 16.1267,
20.9531

■ 68.7622, 75.5419,
79.1457

 31.0391, 15.6192,
18.7141

 76.3582, 88.6457,
88.1149

 79.1847, 92.0934,
95.8559

 80.6375, 92.6746,
103.5063

 81.5417, 93.0362,
108.2678

Harmonies

Analogous

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



38.5667, 31.2323, 63.0944



42.2339, 31.2323, 43.3376



42.2483, 31.2323, 26.2237

Triad

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



42.2339, 31.2323, 43.3376



26.8263, 31.2323, 11.0704



22.2586, 31.2323, 62.9600

Complementary

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



42.2339, 31.2323, 43.3376



38.6849, 54.8760, 43.2060

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.



19.8981, 31.2323, 43.1948



42.2339, 31.2323, 43.3376



22.2843, 31.2323, 15.5988

Square

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



42.2339, 31.2323, 43.3376



32.7861, 31.2323, 11.0858



19.9068, 31.2323, 26.1215



26.7866, 31.2323, 76.7602

Rectangle

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



42.2339, 31.2323, 43.3376



40.1563, 31.2323, 18.4282



19.9068, 31.2323, 26.1215



21.2140, 31.2323, 56.5473

Sweetspot

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



42.2348, 31.2338, 43.3382



83.0832, 79.7276, 93.6241



33.9718, 26.4432, 66.9323



17.3895, 16.4045, 19.5169



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.



42.2348, 31.2338, 43.3382



58.2016, 39.2586, 56.6771



38.5973, 29.7788, 24.1834



12.7085, 12.5349, 14.4052



18.8142, 9.4620, 11.5914



1.1762, 0.5873, 0.9172

Inverse Universe

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



42.2348, 31.2338, 43.3382



58.2016, 39.2586, 56.6771



43.4424, 56.7790, 68.2589



12.7085, 12.5349, 14.4052



18.8142, 9.4620, 11.5914



1.1762, 0.5873, 0.9172

Previews

White Background



This preview shows how the XYZ color 42.2339, 31.2323, 43.3376 looks on a white background.

Color Contrast Check

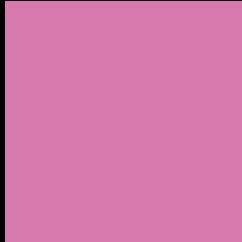
Large Text (above 18pt) WCAG AA × Fail

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 42.2339, 31.2323, 43.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

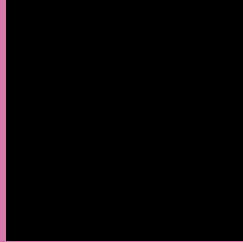
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2339, 31.2323, 43.3376

Background



This preview shows how black text looks on a background with the XYZ color 42.2339, 31.2323, 43.3376.



This preview shows how white text looks on a background with the XYZ color 42.2339, 31.2323,

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

42.2339, 31.2323, 43.3376

Protanopia

31.7364, 31.6898, 54.3132

Deuteranopia

31.9559, 31.3779, 41.4181



Tritanopia

39.0160, 31.2371, 28.0178

Trichromacy



Original Color

42.2339, 31.2323, 43.3376

Protanomaly

34.2835, 30.5838, 49.9953

Deuteranomaly

35.0787, 30.9512, 42.1555

Tritanomaly

39.9107, 31.0050, 33.1592

Monochromacy



Original Color

42.2339, 31.2323, 43.3376

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.2485, 31.4837, 38.4543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2339, 31.2323, 43.3376 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(214, 122, 173)` looks like.

```
.text, #text, p{  
    color:rgb(214, 122, 173)  
}
```

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(214, 122, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 122, 173) }
```

Border

The CSS property to change the border of an element to XYZ 42.2339, 31.2323, 43.3376 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(214, 122, 173) }
```


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

```
.border{ border-color:rgb(214, 122, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 122, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 122, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 122, 173);  
box-shadow:4px 4px 4px 4px rgb(214, 122,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2339, 31.2323, 43.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 122, 173) }
```

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

```
.background{ background-color: rgb(214,  
122, 173) }
```

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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