

Converting Colors

XYZ(42.3106, 31.8664, 64.4205)

Have a look what the booklet for
XYZ(42.3106, 31.8664, 64.4205)
contains.

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Color

**XYZ(42.2538, 31.9121,
64.2542)**

Conversions

Conversions Part 1

Format	Color
Hex	C580D1
RGB	197, 128, 209
RGB Percent	77%, 50%, 82%
CMY	0.2274, 0.4980, 0.1804
CMYK	0.06, 0.39, 0.00, 0.18
HSL	291°, 47%, 66%
HSV	291°, 39%, 82%
XYZ	42.2538, 31.9121, 64.2542
YIQ	157.8650, 15.1230, 39.8190

Conversions

Conversions Part 2

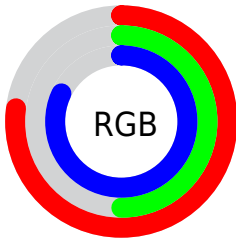
Format	Color
R_{YB}	197, 128, 209
Decimal	12943569
CIE _{Lab}	63.27, 39.92, -31.08
CIE _{LCh}	63, 50.595, 322.096
Yxy	31.9121, 0.3053, 0.2305
Android (android.graphics.Color)	4291133649 (0xFFC580D1)
YUV	157.8650, 25.2096, 34.3214
Hunter-Lab	56.4908, 34.6550, -27.8945

Details

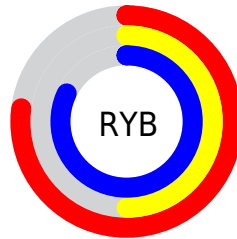
The XYZ color **42.2538, 31.9121, 64.2542** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **37.5129, 52.7356, 28.6254**, and the grayscale version is **32.3238, 34.0072, 37.0338**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **19.6419, 13.3916, 32.1214** is the 20% darker color. If you saturate the color by 10%, you get **39.0012, 26.5975, 63.4003**, and if you desaturate by 10%, it is **46.0866, 38.3609, 65.2974**.

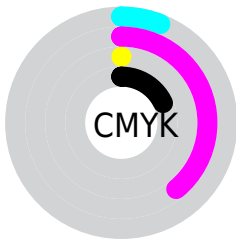
Distribution



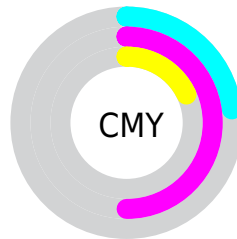
- Red (77%)
- Green (50%)
- Blue (82%)



- Red (77%)
- Yellow (50%)
- Blue (82%)



- Cyan (6%)
- Magenta (39%)
- Yellow (0%)
- Black (18%)





- Cyan (23%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2538, 31.9121, 64.2542 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 42.2538, 31.9121, 64.2542 by changing the saturation by 10% instead.


 42.2538, 31.9121,
64.2542


 42.2538, 31.9121,
64.2542

346.5077,
310.7186, 458.3397


 29.4921, 21.2944,
46.4091


 77.8464, 62.6733,
112.5799

 19.5995, 13.3393,
32.2178


 101.4079, 83.5855,
143.8976

 12.2108, 7.6626,
21.2617

 129.3000,
108.6980, 180.5433

 6.9607, 3.8798,
13.1223

161.8882,
138.3952, 222.9354

 3.4836, 1.6066,
7.3811

199.5376,
173.0615, 271.4926

 1.4144, 0.3620,
3.6195

242.6138,

 0.2664, 0.0000,

213.0812, 326.6333

1.4190

291.4821,
258.8388, 388.7762

■ 0.0000, 0.0000,
0.1565

■ 0.0000, 0.0000,
0.0000

■ 42.2538, 31.9121,
64.2542

■ 42.2538, 31.9121,
64.2542

■ 39.0012, 26.5975,
63.4003

■ 46.0866, 38.3609,
65.2974

■ 36.2908, 22.3434,
62.7220

■ 50.5283, 46.0034,
66.5385

■ 34.0850, 19.0741,
62.2072

■ 55.6094, 54.8997,
67.9878

■ 32.3399, 16.7018,
61.8413

■ 61.3574, 65.1046,
69.6546

■ 31.0037, 15.1234,
61.6071

■ 67.7982, 76.6700,
71.5475

■ 29.9948, 14.1754,
61.4773

■ 74.9564, 89.6446,
73.6746

■ 29.8779, 14.0731,
61.4637

■ 76.3844, 91.1332,
73.8866

■ 77.3228, 91.6169,
73.9305

■ 78.2786, 92.1097,
73.9753

Harmonies

Analogous

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



35.6875, 31.9121, 84.1684



42.2538, 31.9121, 64.2542



45.7310, 31.9121, 40.3282

Triad

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



42.2538, 31.9121, 64.2542



32.2224, 31.9121, 8.8265



19.4814, 31.9121, 51.3776

Complementary

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



42.2538, 31.9121, 64.2542



37.5129, 52.7356, 28.6254

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.



18.8470, 31.9121, 29.7058



42.2538, 31.9121, 64.2542



25.5401, 31.9121, 9.8537

Square

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



42.2538, 31.9121, 64.2542



39.3852, 31.9121, 12.3264



20.8936, 31.9121, 16.0227



22.7839, 31.9121, 74.9552

Rectangle

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



42.2538, 31.9121, 64.2542



45.5063, 31.9121, 27.2716



20.8936, 31.9121, 16.0227



18.9719, 31.9121, 43.4766

Sweetspot

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



42.2549, 31.9135, 64.2549



84.4052, 81.1569, 105.8240



29.8120, 27.9941, 64.1542



17.8381, 16.9710, 22.5855



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.



42.2549, 31.9135, 64.2549



61.7420, 42.6366, 99.5833



42.3192, 32.3168, 47.5363



12.1315, 11.9166, 14.9044



18.4874, 8.7109, 37.8995



1.0816, 0.5118, 2.1213

Inverse Universe

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



38.7482, 30.8884, 28.7319



55.6668, 40.9266, 35.0613



37.7340, 52.6031, 39.7740



11.8791, 11.8364, 12.6391



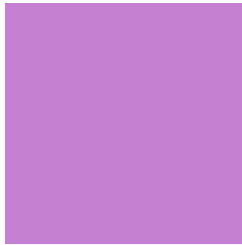
16.3871, 8.4277, 1.6789



0.9396, 0.4806, 0.2168

Previews

White Background



This preview shows how the XYZ color 42.2538, 31.9121, 64.2542 looks on a white background.

Color Contrast Check

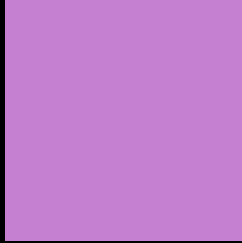
Large Text (above 18pt) WCAG AA × Fail

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 42.2538, 31.9121, 64.2542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

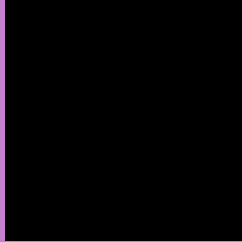
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2538, 31.9121, 64.2542

Background



This preview shows how black text looks on a background with the XYZ color 42.2538, 31.9121, 64.2542.



This preview shows how white text looks on a background with the XYZ color 42.2538, 31.9121,

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

42.2538, 31.9121, 64.2542

Protanopia

33.8338, 32.2685, 77.1182

Deuteranopia

32.9013, 32.1164, 62.2226



Tritanopia

35.9503, 31.8093, 33.5232

Trichromacy



Original Color

42.2538, 31.9121, 64.2542

Protanomaly

35.8776, 31.5845, 71.9156

Deuteranomaly

35.6610, 31.6782, 62.6275

Tritanomaly

37.9888, 31.7933, 43.1642

Monochromacy



Original Color

42.2538, 31.9121, 64.2542

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

35.3828, 32.8124, 46.0635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2538, 31.9121, 64.2542 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(197, 128, 209)` looks like.

```
.text, #text, p{  
    color:rgb(197, 128, 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(197, 128, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 128, 209) }
```

Border

The CSS property to change the border of an element to XYZ 42.2538, 31.9121, 64.2542 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(197, 128, 209) }
```


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

```
.border{ border-color:rgb(197, 128, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 128, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 128, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 128, 209);  
box-shadow:4px 4px 4px 4px rgb(197, 128,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2538, 31.9121, 64.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 128, 209) }
```

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

```
.background{ background-color: rgb(197,  
128, 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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