

Converting Colors

XYZ(51.6306, 42.7073,
100.1298)

Have a look what the booklet for
XYZ(51.6306, 42.7073, 100.1298)
contains.

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Color

**XYZ(51.5121, 42.6209,
100.1194)**

Conversions

Conversions Part 1

Format	Color
Hex	BE9EFF
RGB	190, 158, 255
RGB Percent	75%, 62%, 100%
CMY	0.2549, 0.3804, 0.0000
CMYK	0.25, 0.38, 0.00, 0.00
HSL	260°, 100%, 81%
HSV	260°, 38%, 100%
XYZ	51.5121, 42.6209, 100.1194
YIQ	178.6260, -12.0650, 36.9510

Conversions

Conversions Part 2

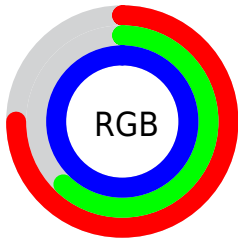
Format	Color
RYB	190, 158, 255
Decimal	12492543
CIELab	71.30, 31.38, -43.97
CIElCh	71, 54.018, 305.510
Yxy	42.6209, 0.2652, 0.2194
Android (android.graphics.Color)	4290682623 (0xFFBE9EFF)
YUV	178.6260, 37.6524, 9.9750
Hunter-Lab	65.2847, 26.5951, -45.2268

Details

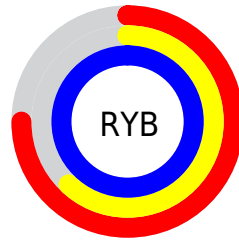
The XYZ color **51.5121, 42.6209, 100.1194** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.3634, 89.6768, 45.8448**, and the grayscale version is **42.4610, 44.6722, 48.6481**.

A 20% lighter version of the original color is **80.5556, 74.7650, 104.7931**, and **25.1786, 19.4536, 55.8539** is the 20% darker color. If you saturate the color by 10%, you get **43.5847, 32.7341, 98.6289**, and if you desaturate by 10%, it is **60.8450, 54.5736, 101.9346**.

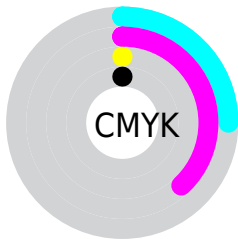
Distribution



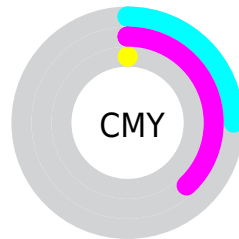
- Red (75%)
- Green (62%)
- Blue (100%)



- Red (75%)
- Yellow (62%)
- Blue (100%)



- Cyan (25%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5121, 42.6209, 100.1194 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 51.5121, 42.6209, 100.1194 by changing the saturation by 10% instead.


 51.5121, 42.6209,
100.1194


 51.5121, 42.6209,
100.1194


382.9051,
357.0504, 581.8254

 36.8390, 29.5878,
75.7828


 91.5898, 79.1385,
163.3746

 25.2560, 19.5259,
55.7488


 117.7251,
103.3917, 203.1302

 16.3976, 12.0509,
39.5990


148.4119,
132.1538, 248.8627

 9.8986, 6.7784,
26.9146

184.0155,
165.8091, 300.9904

 5.3935, 3.3239,
17.2772

224.9012,
204.7420, 359.9320

 2.5171, 1.3031,
10.2683

271.4345,

 0.9039, 0.1436,

249.3369, 426.1060

5.4693

323.9807,
299.9783, 499.9310

■ 0.0000, 0.0000,
2.4616

■ 0.0000, 0.0000,
0.8197

■ 51.5121, 42.6209,
100.1194

■ 51.5121, 42.6209,
100.1194

■ 43.5847, 32.7341,
98.6289

■ 60.8450, 54.5736,
101.9346

■ 36.9852, 24.7870,
97.4428

■ 71.6470, 68.6985,
104.0917

■ 31.6343, 18.6467,
96.5396

■ 83.9827, 85.1003,
106.6074

■ 27.4414, 14.1610,
95.8948

95.0500, 100.0000,
108.9000

■ 24.3020, 11.1513,
95.4793

■ 22.0796, 9.3780,
95.2541

■ 21.7174, 9.1106,
95.2216

Harmonies

Analogous

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



42.2082, 42.6209, 116.0247



51.5121, 42.6209, 100.1194



58.5514, 42.6209, 70.3539

Triad

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



51.5121, 42.6209, 100.1194



48.1811, 42.6209, 14.1706



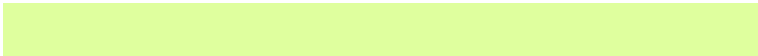
25.5072, 42.6209, 51.3717

Complementary

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



51.5121, 42.6209, 100.1194



72.3634, 89.6768, 45.8448

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.



26.6168, 42.6209, 28.6230



51.5121, 42.6209, 100.1194



38.8577, 42.6209, 12.3235

Square

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



51.5121, 42.6209, 100.1194



56.4359, 42.6209, 23.0143



31.1977, 42.6209, 16.4593



27.9030, 42.6209, 81.8996

Rectangle

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



51.5121, 42.6209, 100.1194



60.5109, 42.6209, 50.4296



31.1977, 42.6209, 16.4593



25.4873, 42.6209, 42.6041

Sweetspot

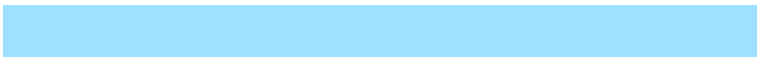
The Sweet Spot groups the original color and five complimentary colors.



51.5135, 42.6225, 100.1197



80.1652, 79.9986, 105.8239



58.8834, 67.9538, 104.6207



16.7945, 16.6379, 22.5762



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.



51.5135, 42.6225, 100.1197



45.0901, 34.5875, 98.9073



65.2751, 49.7169, 100.7637



17.5675, 17.6687, 22.7345



11.4874, 4.8325, 49.7619



1.2282, 0.5271, 4.8503

Inverse Universe

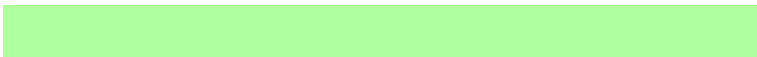
The Inverse Universe completely reimagines the original color for something new.



66.7868, 51.0427, 76.1445



62.7193, 44.3245, 70.4205



59.7881, 83.1940, 45.2563



18.5229, 18.1925, 21.3707



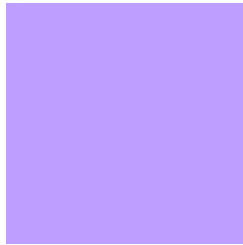
25.4553, 12.6714, 21.5800



2.5290, 1.2540, 2.3673

Previews

White Background



This preview shows how the XYZ color 51.5121, 42.6209, 100.1194 looks on a white background.

Color Contrast Check

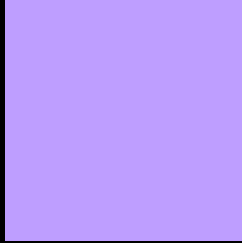
Large Text (above 18pt) WCAG AA × Fail

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 51.5121, 42.6209, 100.1194 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 51.5121, 42.6209, 100.1194

Background



This preview shows how black text looks on a background with the XYZ color 51.5121, 42.6209, 100.1194.



This preview shows how white text looks on a background with the XYZ color 51.5121, 42.6209,

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

51.5121, 42.6209, 100.1194

Protanopia

44.8351, 42.9281, 100.5306

Deuteranopia

44.0159, 42.8447, 98.0454



Tritanopia

41.7469, 42.3973, 52.4376

Trichromacy



Original Color

51.5121, 42.6209, 100.1194

Protanomaly

46.9730, 42.6440, 100.3631

Deuteranomaly

46.4302, 42.6742, 98.7183

Tritanomaly

44.8680, 42.2857, 67.4252

Monochromacy



Original Color

51.5121, 42.6209, 100.1194

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.3538, 43.6981, 65.0757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5121, 42.6209, 100.1194 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(190, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 158, 255)  
}
```

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(190, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.5121, 42.6209, 100.1194 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(190, 158, 255) }
```


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

```
.border{ border-color:rgb(190, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5121, 42.6209, 100.1194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 158, 255) }
```

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

```
.background{ background-color: rgb(190,  
158, 255) }
```

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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