

Converting Colors

XYZ(62.5008, 53.3689,
121.4758)

Have a look what the booklet for
XYZ(62.5008, 53.3689, 121.4758)
contains.

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Color

**XYZ(58.5990, 51.7573,
101.5094)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB2FF
RGB	203, 178, 255
RGB Percent	80%, 70%, 100%
CMY	0.2039, 0.3019, 0.0000
CMYK	0.20, 0.30, 0.00, 0.00
HSL	259°, 100%, 85%
HSV	259°, 30%, 100%
XYZ	58.5990, 51.7573, 101.5094
YIQ	194.2530, -9.8170, 29.2470

Conversions

Conversions Part 2

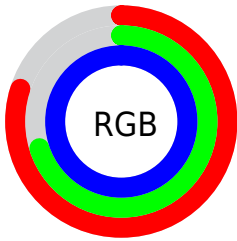
Format	Color
R _Y B	203, 178, 255
Decimal	13349631
CIE Lab	77.14, 24.11, -34.80
CIE LCh	77, 42.335, 304.711
Yxy	51.7573, 0.2766, 0.2443
Android (android.graphics.Color)	4291539711 (0xFFCBB2FF)
YUV	194.2530, 29.9483, 7.6711
Hunter-Lab	71.9425, 19.4932, -33.2971

Details

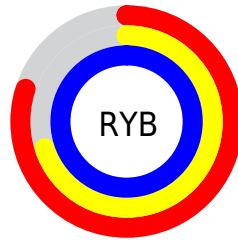
The XYZ color **58.5990, 51.7573, 101.5094** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **76.4299, 91.5577, 55.7658**, and the grayscale version is **51.2617, 53.9313, 58.7312**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **29.7394, 25.0403, 56.6919** is the 20% darker color. If you saturate the color by 10%, you get **49.5570, 40.2523, 99.7653**, and if you desaturate by 10%, it is **69.1081, 65.4209, 103.5929**.

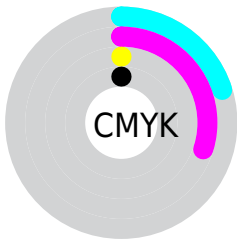
Distribution



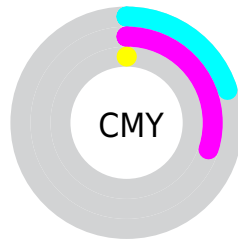
- Red (80%)
- Green (70%)
- Blue (100%)



- Red (80%)
- Yellow (70%)
- Blue (100%)



- Cyan (20%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5990, 51.7573, 101.5094 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 58.5990, 51.7573, 101.5094 by changing the saturation by 10% instead.


 58.5990, 51.7573,
101.5094

 58.5990, 51.7573,
101.5094


409.3322,
393.4989, 586.3091

 42.5355, 36.8117,
76.9378

 101.9126, 92.7732,
165.2998

 29.7138, 25.0617,
56.6906


129.8934,
119.6123, 205.3557

 19.7684, 16.1230,
40.3492


162.5774,
151.1846, 251.4102

 12.3341, 9.6113,
27.4950

200.3299,
187.8746, 303.8817

 7.0455, 5.1420,
17.7096

243.5163,
230.0666, 363.1888

 3.5371, 2.3308,
10.5744

292.5019,

 1.4438, 0.7899,

278.1451, 429.7501

5.6709

347.6521,
332.4944, 503.9840

■ 0.2871, 0.0000,
2.5805

■ 0.0000, 0.0000,
0.8824

■ 58.5990, 51.7573,
101.5094

■ 58.5990, 51.7573,
101.5094

■ 49.5570, 40.2523,
99.7653

■ 69.1081, 65.4209,
103.5929

■ 41.9081, 30.7864,
98.3413

■ 81.1441, 81.3420,
106.0316

■ 35.5786, 23.2375,
97.2178

94.7689, 99.6206,
108.8416

■ 30.4853, 17.4676,
96.3726

95.0500, 100.0000,
108.9000

■ 26.5348, 13.3195,
95.7801

■ 23.6177, 10.6064,
95.4102

■ 21.5990, 9.0496,
95.2161

Harmonies

Analogous

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



50.4831, 51.7573, 113.4709



58.5990, 51.7573, 101.5094



64.6501, 51.7573, 77.6205

Triad

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



58.5990, 51.7573, 101.5094



56.1462, 51.7573, 24.8974



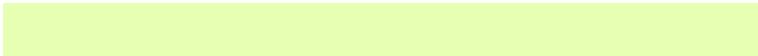
35.2560, 51.7573, 60.0955

Complementary

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



58.5990, 51.7573, 101.5094



76.4299, 91.5577, 55.7658

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.



36.4210, 51.7573, 39.3782



58.5990, 51.7573, 101.5094



47.9266, 51.7573, 22.5826

Square

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



58.5990, 51.7573, 101.5094



63.1286, 51.7573, 34.5934



40.8529, 51.7573, 27.0819



37.4771, 51.7573, 85.7372

Rectangle

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



58.5990, 51.7573, 101.5094



66.3752, 51.7573, 60.5642



40.8529, 51.7573, 27.0819



35.2670, 51.7573, 52.3453

Sweetspot

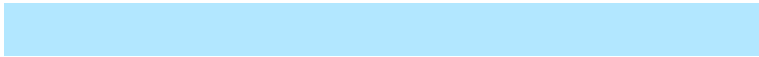
The Sweet Spot groups the original color and five complimentary colors.



58.6006, 51.7593, 101.5097



82.6868, 83.3995, 106.3474



64.8801, 73.6237, 105.3990



17.2968, 17.3155, 22.6805



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.



58.6006, 51.7593, 101.5097



53.1764, 44.8236, 100.4569



70.2073, 57.7428, 102.0529



17.5583, 17.6640, 22.7340



11.4240, 4.7998, 49.7589



1.2212, 0.5235, 4.8499

Inverse Universe

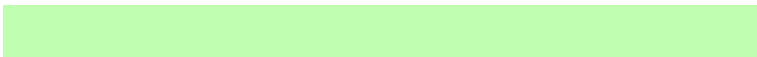
The Inverse Universe completely reimagines the original color for something new.



71.4443, 58.8157, 82.4509



67.9899, 52.9724, 78.0148



65.5649, 85.9567, 55.2573



18.5271, 18.1941, 21.3927



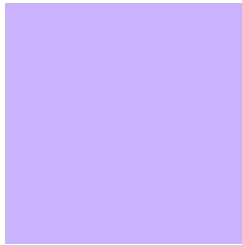
25.5216, 12.6979, 21.9290



2.5351, 1.2564, 2.3994

Previews

White Background



This preview shows how the XYZ color 58.5990, 51.7573, 101.5094 looks on a white background.

Color Contrast Check

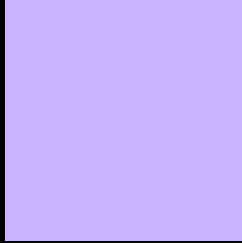
Large Text (above 18pt) WCAG AA × Fail

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 58.5990, 51.7573, 101.5094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

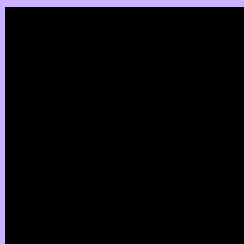
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.5990, 51.7573, 101.5094

Background



This preview shows how black text looks on a background with the XYZ color 58.5990, 51.7573, 101.5094.



This preview shows how white text looks on a background with the XYZ color 58.5990, 51.7573,

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

58.5990, 51.7573, 101.5094

Protanopia

52.8278, 51.8444, 101.8304

Deuteranopia

53.3920, 52.1722, 100.1847



Tritanopia

51.0108, 51.7476, 63.7996

Trichromacy



Original Color

58.5990, 51.7573, 101.5094

Protanomaly

54.7189, 51.5683, 101.6774

Deuteranomaly

55.0375, 51.7510, 100.8541

Tritanomaly

53.3513, 51.4252, 76.2214

Monochromacy



Original Color

58.5990, 51.7573, 101.5094

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

53.4038, 52.7946, 72.3414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5990, 51.7573, 101.5094 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(203, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 178, 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(203, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.5990, 51.7573, 101.5094 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(203, 178, 255) }
```


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

```
.border{ border-color:rgb(203, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5990, 51.7573, 101.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 178, 255) }
```

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

```
.background{ background-color: rgb(203,  
178, 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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