

Converting Colors

XYZ(58.7040, 51.9608,
101.5431)

Have a look what the booklet for
XYZ(58.7040, 51.9608, 101.5431)
contains.

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Color

**XYZ(58.7987, 52.1567,
101.5760)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB3FF
RGB	203, 179, 255
RGB Percent	80%, 70%, 100%
CMY	0.2039, 0.2980, 0.0000
CMYK	0.20, 0.30, 0.00, 0.00
HSL	259°, 100%, 85%
HSV	259°, 30%, 100%
XYZ	58.7987, 52.1567, 101.5760
YIQ	194.8400, -10.0920, 28.7240

Conversions

Conversions Part 2

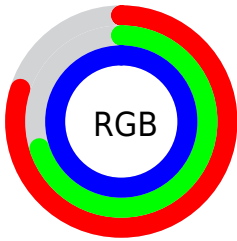
Format	Color
R_{YB}	203, 179, 255
Decimal	13349887
CIE _{Lab}	77.37, 23.56, -34.43
CIE _{LCh}	77, 41.721, 304.382
Yxy	52.1567, 0.2767, 0.2454
Android (android.graphics.Color)	4291539967 (0xFFCBB3FF)
YUV	194.8400, 29.6589, 7.1563
Hunter-Lab	72.2196, 18.9442, -32.8370

Details

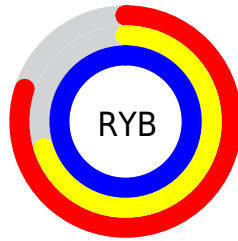
The XYZ color **58.7987, 52.1567, 101.5760** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.8525, 91.7640, 56.3117**, and the grayscale version is **51.6114, 54.2992, 59.1318**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **29.8666, 25.2948, 56.7343** is the 20% darker color. If you saturate the color by 10%, you get **49.6658, 40.5513, 99.8173**, and if you desaturate by 10%, it is **69.4145, 65.9317, 103.6753**.

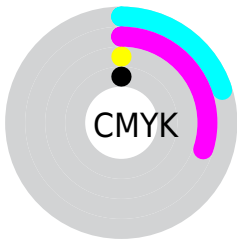
Distribution



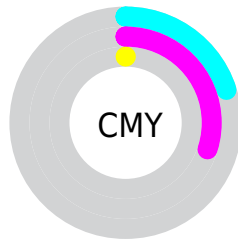
- Red (80%)
- Green (70%)
- Blue (100%)



- 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 58.7987, 52.1567, 101.5760 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 58.7987, 52.1567, 101.5760 by changing the saturation by 10% instead.

■ 58.7987, 52.1567,
101.5760

■ 58.7987, 52.1567,
101.5760

410.0616,
395.0413, 586.5235

■ 42.6968, 37.1300,
76.9932

■ 102.2013, 93.3623,
165.3920

■ 29.8408, 25.3082,
56.7357

130.2328,
120.3100, 205.4623

■ 19.8653, 16.3068,
40.3852

162.9716,
152.0001, 251.5321

■ 12.4048, 9.7415,
27.5229

200.7829,
188.8171, 304.0200

■ 7.0942, 5.2279,
17.7304

244.0323,
231.1453, 363.3446

■ 3.5679, 2.3816,
10.5892

293.0849,

■ 1.4607, 0.8164,

279.3691, 429.9243

5.6806

348.3062,
333.8730, 504.1778

■ 0.2989, 0.0000,
2.5863

■ 0.0000, 0.0000,
0.8853

■ 58.7987, 52.1567,
101.5760

■ 58.7987, 52.1567,
101.5760

■ 49.6658, 40.5513,
99.8173

■ 69.4145, 65.9317,
103.6753

■ 41.9412, 30.9961,
98.3800

■ 81.5735, 81.9753,
106.1312

■ 35.5507, 23.3690,
97.2447

95.0500, 100.0000,
108.9000

■ 30.4107, 17.5322,
96.3890

■ 26.4273, 13.3289,
95.7876

■ 23.4909, 10.5734,
95.4105

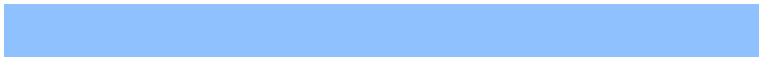
■ 21.4378, 8.9746,
95.2101

■ 21.4029, 8.9485,
95.2069

Harmonies

Analogous

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



50.7607, 52.1567, 113.1667



58.7987, 52.1567, 101.5760



64.8141, 52.1567, 78.0982

Triad

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



58.7987, 52.1567, 101.5760



56.5421, 52.1567, 25.5569



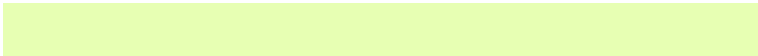
35.7361, 52.1567, 60.2305

Complementary

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



58.7987, 52.1567, 101.5760



76.8525, 91.7640, 56.3117

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.



36.9313, 52.1567, 39.7593



58.7987, 52.1567, 101.5760



48.4048, 52.1567, 23.1629

Square

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



58.7987, 52.1567, 101.5760



63.4158, 52.1567, 35.3279



41.3673, 52.1567, 27.5897



37.9078, 52.1567, 85.5492

Rectangle

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



58.7987, 52.1567, 101.5760



66.5529, 52.1567, 61.2225



41.3673, 52.1567, 27.5897



35.7594, 52.1567, 52.5764

Sweetspot

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



58.8003, 52.1587, 101.5763



82.6178, 83.3639, 106.3442



65.5546, 74.6308, 105.5578



17.2799, 17.3067, 22.6797



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.



58.8003, 52.1587, 101.5763



52.9690, 44.7167, 100.4472



70.0385, 57.9523, 102.1022



17.5428, 17.6560, 22.7333



11.3189, 4.7456, 49.7540



1.2095, 0.5174, 4.8494

Inverse Universe

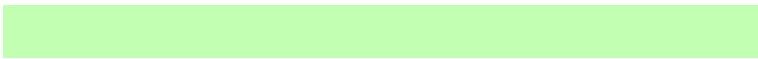
The Inverse Universe completely reimagines the original color for something new.



71.7849, 59.2714, 83.2594



68.1017, 53.0170, 78.6031



66.1974, 86.2711, 55.8130



18.5342, 18.1970, 21.4303



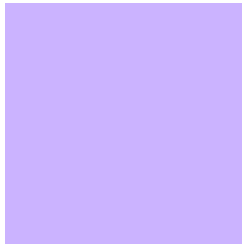
25.6357, 12.7436, 22.5300



2.5456, 1.2606, 2.4546

Previews

White Background



This preview shows how the XYZ color 58.7987, 52.1567, 101.5760 looks on a white background.

Color Contrast Check

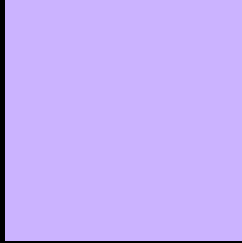
Large Text (above 18pt) WCAG AA × Fail

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 58.7987, 52.1567, 101.5760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

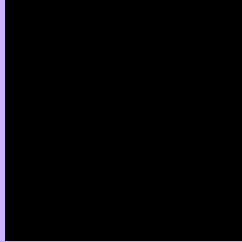
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7987, 52.1567, 101.5760

Background



This preview shows how black text looks on a background with the XYZ color 58.7987, 52.1567, 101.5760.

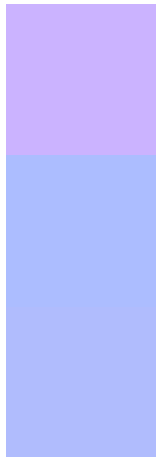


This preview shows how white text looks on a background with the XYZ color 58.7987, 52.1567,

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

58.7987, 52.1567, 101.5760

Protanopia

53.2609, 52.3858, 101.9121

Deuteranopia

53.6173, 52.2884, 100.1952



Tritanopia

51.3448, 52.2242, 64.5008

Trichromacy



Original Color

58.7987, 52.1567, 101.5760

Protanomaly

54.9274, 51.9852, 101.7469

Deuteranomaly

55.4881, 52.2928, 100.9349

Tritanomaly

53.6942, 51.8960, 76.9990

Monochromacy



Original Color

58.7987, 52.1567, 101.5760

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

54.0107, 53.4107, 73.1083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7987, 52.1567, 101.5760 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, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 179, 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, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 179, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.7987, 52.1567, 101.5760 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, 179, 255) }
```


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

```
.border{ border-color:rgb(203, 179, 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, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 179,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7987, 52.1567, 101.5760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 179, 255) }
```

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

```
.background{ background-color: rgb(203,  
179, 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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