

Converting Colors

XYZ(59.7720, 54.2102,
100.2418)

Have a look what the booklet for
XYZ(59.7720, 54.2102, 100.2418)
contains.

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Color

**XYZ(59.7720, 54.2102,
100.2418)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB8FD
RGB	204, 184, 253
RGB Percent	80%, 72%, 99%
CMY	0.2000, 0.2784, 0.0078
CMYK	0.19, 0.27, 0.00, 0.01
HSL	257°, 95%, 86%
HSV	257°, 27%, 99%
XYZ	59.7720, 54.2102, 100.2418
YIQ	197.8460, -10.2290, 25.6990

Conversions

Conversions Part 2

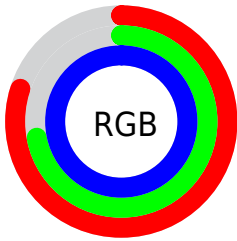
Format	Color
R_{YB}	204, 184, 253
Decimal	13416701
CIE _{Lab}	78.58, 20.68, -31.49
CIE _{LCh}	79, 37.673, 303.301
Yxy	54.2102, 0.2790, 0.2531
Android (android.graphics.Color)	4291606781 (0xFFCCB8FD)
YUV	197.8460, 27.1909, 5.3971
Hunter-Lab	73.6276, 16.0608, -29.1823

Details

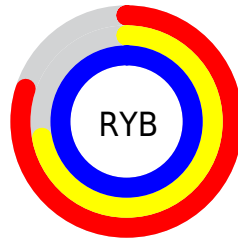
The XYZ color **59.7720, 54.2102, 100.2418** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.3828, 91.0361, 58.8429**, and the grayscale version is **53.4291, 56.2116, 61.2145**.

A 20% lighter version of the original color is **90.4501, 90.8002, 107.3667**, and **30.4745, 26.6077, 55.7542** is the 20% darker color. If you saturate the color by 10%, you get **50.3356, 42.2301, 98.4277**, and if you desaturate by 10%, it is **70.7199, 68.3671, 102.3982**.

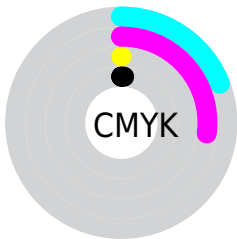
Distribution



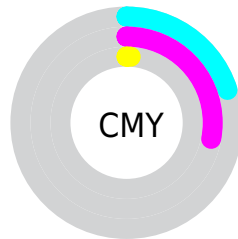
- Red (80%)
- Green (72%)
- Blue (99%)



- Red (80%)
- Yellow (72%)
- Blue (99%)



- Cyan (19%)
- Magenta (27%)
- Yellow (0%)
- Black (1%)



- Cyan (20%)
- Magenta (28%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7720, 54.2102, 100.2418 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 59.7720, 54.2102, 100.2418 by changing the saturation by 10% instead.

■ 59.7720, 54.2102,
100.2418

■ 59.7720, 54.2102,
100.2418

413.6051,
402.9111, 582.2209

■ 43.4836, 38.7697,
75.8845

■ 103.6071, 96.3828,
163.5442

■ 30.4609, 26.5806,
55.8317

131.8845,
123.8837, 203.3264

■ 20.3385, 17.2585,
39.6649

164.8890,
156.1736, 249.0872

■ 12.7510, 10.4190,
26.9656

202.9860,
193.6369, 301.2453

■ 7.3332, 5.6776,
17.3152

246.5407,
236.6578, 360.2192

■ 3.7195, 2.6501,
10.2951

295.9185,

■ 1.5447, 0.9519,

285.6209, 426.4274

5.4869

351.4849,
340.9105, 500.2885

■ 0.3559, 0.0000,
2.4720

■ 0.0000, 0.0000,
0.8253

■ 59.7720, 54.2102,
100.2418

■ 59.7720, 54.2102,
100.2418

■ 50.3356, 42.2301,
98.4277

■ 70.7199, 68.3671,
102.3982

■ 42.3359, 32.3102,
96.9346

■ 83.2387, 84.7965,
104.9096

■ 35.6998, 24.3327,
95.7445

94.7298, 99.8719,
107.2138

■ 30.3450, 18.1649,
94.8362

■ 26.1793, 13.6569,
94.1857

■ 23.0969, 10.6337,
93.7646

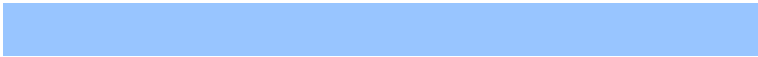
■ 20.9659, 8.8714,
93.5367

■ 20.5027, 8.5214,
93.4936

Harmonies

Analogous

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



52.3521, 54.2102, 110.0075



59.7720, 54.2102, 100.2418



65.3682, 54.2102, 79.3789

Triad

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



59.7720, 54.2102, 100.2418



58.2129, 54.2102, 29.5036



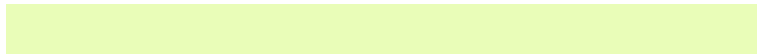
38.5404, 54.2102, 61.4128

Complementary

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



59.7720, 54.2102, 100.2418



77.3828, 91.0361, 58.8429

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.



39.7890, 54.2102, 42.4878



59.7720, 54.2102, 100.2418



50.7070, 54.2102, 26.8812

Square

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



59.7720, 54.2102, 100.2418



64.4090, 54.2102, 39.2943



44.0741, 54.2102, 31.0123



40.4853, 54.2102, 84.4544

Rectangle

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



59.7720, 54.2102, 100.2418



67.0529, 54.2102, 63.9272



44.0741, 54.2102, 31.0123



38.6012, 54.2102, 54.3813

Sweetspot

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



59.7738, 54.2124, 100.2430



83.7535, 85.0230, 106.6045



66.7650, 75.8168, 104.0446



17.4976, 17.6327, 22.7312



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.



59.7738, 54.2124, 100.2430



55.1526, 47.9234, 100.9510



70.1484, 59.5607, 100.7285



17.4976, 17.6327, 22.7312



11.0309, 4.5971, 49.7405



1.1768, 0.5006, 4.8479

Inverse Universe

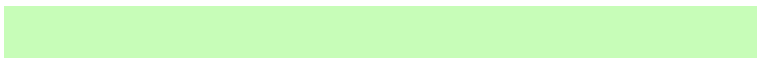
The Inverse Universe completely reimagines the original color for something new.



72.3581, 61.0489, 85.0625



70.1432, 56.0766, 82.4391



67.3186, 85.8479, 58.3719



18.5550, 18.2053, 21.5400



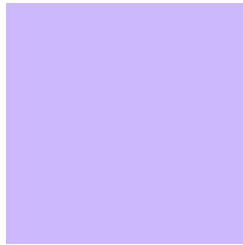
25.9797, 12.8812, 24.3412



2.5770, 1.2732, 2.6201

Previews

White Background



This preview shows how the XYZ color 59.7720, 54.2102, 100.2418 looks on a white background.

Color Contrast Check

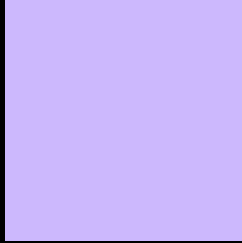
Large Text (above 18pt) WCAG AA × Fail

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 59.7720, 54.2102, 100.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

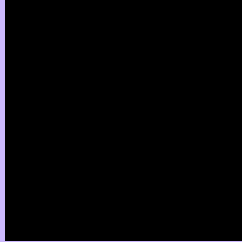
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.7720, 54.2102, 100.2418

Background



This preview shows how black text looks on a background with the XYZ color 59.7720, 54.2102, 100.2418.



This preview shows how white text looks on a background with the XYZ color 59.7720, 54.2102,

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

59.7720, 54.2102, 100.2418

Protanopia

55.0311, 54.2664, 102.1818

Deuteranopia

55.7299, 54.3572, 99.6502



Tritanopia

53.2201, 54.4298, 67.3755

Trichromacy



Original Color

59.7720, 54.2102, 100.2418

Protanomaly

56.5805, 54.1157, 101.2292

Deuteranomaly

57.0398, 54.0711, 99.5259

Tritanomaly

55.4212, 54.3508, 78.0908

Monochromacy



Original Color

59.7720, 54.2102, 100.2418

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

55.5443, 55.4812, 74.1111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7720, 54.2102, 100.2418 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(204, 184, 253)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 253)  
}
```

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(204, 184, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 253) }
```

Border

The CSS property to change the border of an element to XYZ 59.7720, 54.2102, 100.2418 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(204, 184, 253) }
```


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

```
.border{ border-color:rgb(204, 184, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 184, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 253);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7720, 54.2102, 100.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 253) }
```

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

```
.background{ background-color: rgb(204,  
184, 253) }
```

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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