

Converting Colors

XYZ(52.0096, 45.9050, 93.9141)

Have a look what the booklet for
XYZ(52.0096, 45.9050, 93.9141)
contains.

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Color

**XYZ(51.9627, 45.9102,
94.1185)**

Conversions

Conversions Part 1

Format	Color
Hex	BDA9F7
RGB	189, 169, 247
RGB Percent	74%, 66%, 97%
CMY	0.2588, 0.3372, 0.0314
CMYK	0.23, 0.32, 0.00, 0.03
HSL	255°, 83%, 82%
HSV	255°, 32%, 97%
XYZ	51.9627, 45.9102, 94.1185
YIQ	183.8720, -13.1180, 28.4980

Conversions

Conversions Part 2

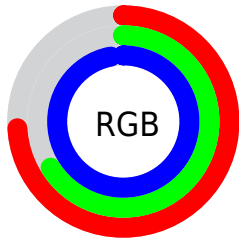
Format	Color
RYB	189, 169, 247
Decimal	12429815
CIELab	73.49, 23.12, -36.23
CIELCh	73, 42.978, 302.545
Yxy	45.9102, 0.2707, 0.2391
Android (android.graphics.Color)	4290619895 (0xFFBDA9F7)
YUV	183.8720, 31.1221, 4.4973
Hunter-Lab	67.7571, 18.3163, -34.9273

Details

The XYZ color **51.9627, 45.9102, 94.1185** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.1022, 85.7181, 50.2832**, and the grayscale version is **45.3296, 47.6903, 51.9347**.

A 20% lighter version of the original color is **82.7117, 80.1241, 105.7139**, and **25.4871, 21.5086, 51.5235** is the 20% darker color. If you saturate the color by 10%, you get **43.5233, 35.3712, 92.5299**, and if you desaturate by 10%, it is **61.8501, 58.4861, 96.0256**.

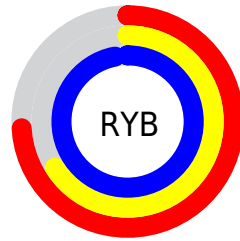
Distribution



Red (74%)

Green (66%)

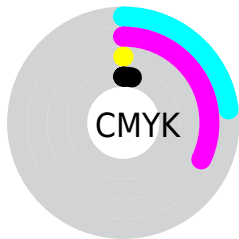
Blue (97%)



Red (74%)

Yellow (66%)

Blue (97%)

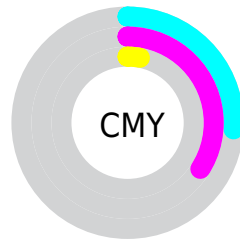


Cyan (23%)

Magenta (32%)

Yellow (0%)

Black (3%)



Cyan (26%)

Magenta (34%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9627, 45.9102, 94.1185 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 51.9627, 45.9102, 94.1185 by changing the saturation by 10% instead.

■ 51.9627, 45.9102,
94.1185

■ 51.9627, 45.9102,
94.1185

384.6189,
370.4475, 562.2512

■ 37.1995, 32.1750,
70.8087

■ 92.2508, 84.0846,
155.0313

■ 25.5364, 21.4952,
51.7052

■ 118.5064,
109.2925, 193.4714

■ 16.6080, 13.4864,
36.3895

149.3235,
139.0935, 237.7919

■ 10.0490, 7.7644,
24.4431

185.0674,
173.8719, 288.4115

■ 5.4939, 3.9445,
15.4474

226.1036,
214.0121, 345.7487

■ 2.5776, 1.6426,
8.9839

272.7973,

■ 0.9345, 0.3861,

259.8985, 410.2220

4.6340

325.5140,
311.9155, 482.2500

■ 0.0000, 0.0000,
1.9792

■ 0.0000, 0.0000,
0.5425

■ 51.9627, 45.9102,
94.1185

■ 51.9627, 45.9102,
94.1185

■ 43.5233, 35.3712,
92.5299

■ 61.8501, 58.4861,
96.0256

■ 36.4568, 26.7547,
91.2391

■ 73.2464, 73.1943,
98.2639

■ 30.6881, 19.9428,
90.2284

■ 86.2146, 90.1307,
100.8494

■ 26.1323, 14.8025,
89.4763

■ 93.7886, 99.4955,
102.2578

■ 22.6940, 11.1815,
88.9586

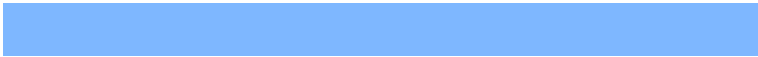
■ 20.2611, 8.8983,
88.6461

■ 18.8598, 7.7832,
88.5047

Harmonies

Analogous

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



44.2870, 45.9102, 104.4115



51.9627, 45.9102, 94.1185



57.9015, 45.9102, 71.8280

Triad

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



51.9627, 45.9102, 94.1185



50.7127, 45.9102, 21.3275



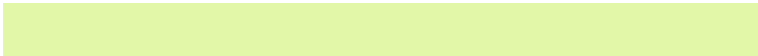
30.6263, 45.9102, 51.8660

Complementary

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



51.9627, 45.9102, 94.1185



72.1022, 85.7181, 50.2832

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.



31.9305, 45.9102, 33.0960



51.9627, 45.9102, 94.1185



42.9919, 45.9102, 18.7920

Square

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



51.9627, 45.9102, 94.1185



57.1231, 45.9102, 30.7153



36.2505, 45.9102, 22.3959



32.4593, 45.9102, 75.9965

Rectangle

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



51.9627, 45.9102, 94.1185



59.7558, 45.9102, 55.6070



36.2505, 45.9102, 22.3959



30.7124, 45.9102, 44.7616

Sweetspot

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



51.9643, 45.9120, 94.1195



82.1586, 83.1272, 106.3227



60.7582, 70.3639, 98.3758



17.1674, 17.2487, 22.6745



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.



51.9643, 45.9120, 94.1195



49.8094, 41.7684, 100.0446



62.8144, 51.5055, 94.6273



15.9794, 16.1320, 20.8142



10.0851, 4.1734, 46.8120



0.9780, 0.4140, 4.1186

Inverse Universe

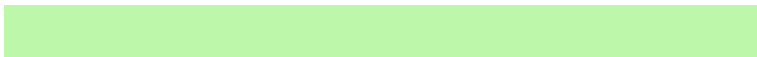
The Inverse Universe completely reimagines the original color for something new.



66.4123, 53.6979, 79.5392



67.7886, 51.4697, 81.3386



61.2861, 80.1422, 49.7770



17.0215, 16.6915, 19.8599



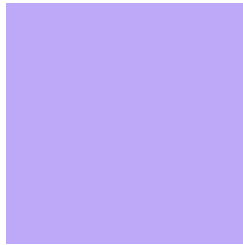
24.9041, 12.3051, 25.2673



2.2303, 1.0981, 2.4392

Previews

White Background



This preview shows how the XYZ color 51.9627, 45.9102, 94.1185 looks on a white background.

Color Contrast Check

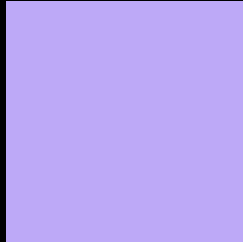
Large Text (above 18pt) WCAG AA × Fail

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 51.9627, 45.9102, 94.1185 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 51.9627, 45.9102, 94.1185

Background



This preview shows how black text looks on a background with the XYZ color 51.9627, 45.9102, 94.1185.



This preview shows how white text looks on a background with the XYZ color 51.9627, 45.9102,

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

51.9627, 45.9102, 94.1185

Protanopia

47.7144, 46.1646, 100.1618

Deuteranopia

47.0998, 46.0104, 92.7847



Tritanopia

44.4481, 45.7189, 57.5209

Trichromacy



Original Color

51.9627, 45.9102, 94.1185

Protanomaly

49.1047, 46.0600, 97.5692

Deuteranomaly

48.7591, 45.9717, 93.4923

Tritanomaly

46.8687, 45.5313, 69.2690

Monochromacy



Original Color

51.9627, 45.9102, 94.1185

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.6323, 47.1843, 65.6285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9627, 45.9102, 94.1185 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(189, 169, 247)` looks like.

```
.text, #text, p{  
    color:rgb(189, 169, 247)  
}
```

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(189, 169, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 169, 247) }
```

Border

The CSS property to change the border of an element to XYZ 51.9627, 45.9102, 94.1185 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(189, 169, 247) }
```


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

```
.border{ border-color:rgb(189, 169, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 169, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 169, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 169, 247);  
box-shadow:4px 4px 4px 4px rgb(189, 169,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9627, 45.9102, 94.1185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 169, 247) }
```

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

```
.background{ background-color: rgb(189,  
169, 247) }
```

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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