

Converting Colors

XYZ(52.0436, 47.5588,
100.5343)

Have a look what the booklet for
XYZ(52.0436, 47.5588, 100.5343)
contains.

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Color

**XYZ(52.0418, 47.5190,
100.1951)**

Conversions

Conversions Part 1

Format	Color
Hex	B4AFFE
RGB	180, 175, 254
RGB Percent	71%, 69%, 100%
CMY	0.2941, 0.3137, 0.0039
CMYK	0.29, 0.31, 0.00, 0.00
HSL	244°, 98%, 84%
HSV	244°, 31%, 100%
XYZ	52.0418, 47.5190, 100.1951
YIQ	185.5010, -22.3790, 25.6290

Conversions

Conversions Part 2

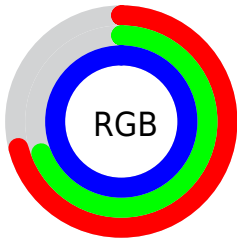
Format	Color
R_{YB}	180, 175, 254
Decimal	11841534
CIE _{Lab}	74.52, 18.87, -38.46
CIE _{LCh}	75, 42.844, 296.137
Yxy	47.5190, 0.2605, 0.2379
Android (android.graphics.Color)	4290031614 (0xFFB4AFFE)
YUV	185.5010, 33.7700, -4.8244
Hunter-Lab	68.9340, 14.1242, -37.9238

Details

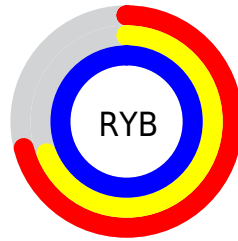
The XYZ color **52.0418, 47.5190, 100.1951** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.2475, 94.1194, 54.3912**, and the grayscale version is **46.2210, 48.6281, 52.9560**.

A 20% lighter version of the original color is **81.5510, 82.3764, 106.2098**, and **25.6184, 22.5571, 55.8270** is the 20% darker color. If you saturate the color by 10%, you get **42.4839, 35.9312, 98.4630**, and if you desaturate by 10%, it is **63.4834, 61.4601, 102.2838**.

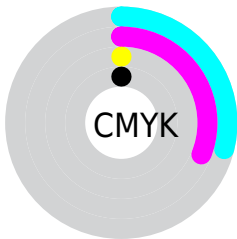
Distribution



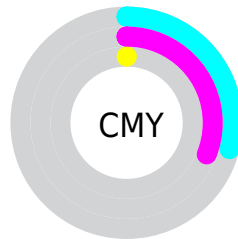
- Red (71%)
- Green (69%)
- Blue (100%)



- Red (71%)
- Yellow (69%)
- Blue (100%)



- Cyan (29%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0418, 47.5190, 100.1951 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 52.0418, 47.5190, 100.1951 by changing the saturation by 10% instead.

■ 52.0418, 47.5190,
100.1951

■ 52.0418, 47.5190,
100.1951

384.9193,
376.8824, 582.0700

■ 37.2628, 33.4461,
75.8457

■ 92.3667, 86.4878,
163.4795

■ 25.5856, 22.4684,
55.8001

118.6434,
112.1525, 203.2515

■ 16.6450, 14.2015,
39.6397

149.4833,
142.4500, 249.0016

■ 10.0754, 8.2609,
26.9461

185.2518,
177.7646, 301.1481

■ 5.5116, 4.2624,
17.3007

226.3144,
218.4808, 360.1096

■ 2.5883, 1.8214,
10.2849

273.0362,

■ 0.9400, 0.5005,

264.9829, 426.3048

5.4802

325.7827,
317.6553, 500.1521

■ 0.0000, 0.0000,
2.4680

■ 0.0000, 0.0000,
0.8231

■ 52.0418, 47.5190,
100.1951

■ 52.0418, 47.5190,
100.1951

■ 42.4839, 35.9312,
98.4630

■ 63.4834, 61.4601,
102.2838

■ 34.7041, 26.5615,
97.0645

■ 76.8970, 77.8686,
104.7440

■ 28.5936, 19.2698,
95.9791

■ 92.3714, 96.8576,
107.5936

■ 24.0299, 13.8976,
95.1827

■ 94.8895, 99.9358,
108.0551

■ 20.8737, 10.2634,
94.6476

■ 18.9600, 8.1509,
94.3407

■ 18.1046, 7.2667,
94.2151

Harmonies

Analogous

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



44.1705, 47.5190, 106.9611



52.0418, 47.5190, 100.1951



58.6807, 47.5190, 79.2999

Triad

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



52.0418, 47.5190, 100.1951



53.9733, 47.5190, 23.8101



31.8878, 47.5190, 48.9223

Complementary

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



52.0418, 47.5190, 100.1951



82.2475, 94.1194, 54.3912

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.



33.9030, 47.5190, 31.4439



52.0418, 47.5190, 100.1951



46.1751, 47.5190, 19.8075

Square

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



52.0418, 47.5190, 100.1951



59.8823, 47.5190, 35.1477



38.9231, 47.5190, 22.1397



33.0819, 47.5190, 72.8725

Rectangle

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



52.0418, 47.5190, 100.1951



61.2051, 47.5190, 62.6357



38.9231, 47.5190, 22.1397



32.2056, 47.5190, 42.1875

Sweetspot

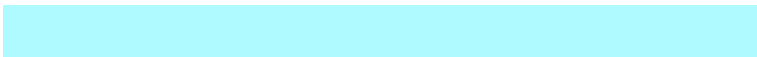
The Sweet Spot groups the original color and five complimentary colors.



52.0434, 47.5209, 100.1962



80.6893, 82.3697, 106.2539



69.7710, 84.6732, 106.4330



16.8084, 17.0637, 22.6577



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.



52.0434, 47.5209, 100.1962



46.5904, 40.7619, 100.0200



62.2690, 52.7923, 100.6748



17.1094, 17.4326, 22.7130



9.5846, 3.8515, 49.6728



0.9688, 0.3934, 4.8381

Inverse Universe

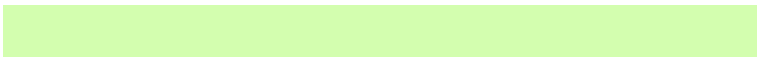
The Inverse Universe completely reimagines the original color for something new.



73.3031, 58.5719, 97.0652



71.0270, 53.4689, 96.2225



69.9162, 87.7624, 53.8141



18.7401, 18.2794, 22.5145



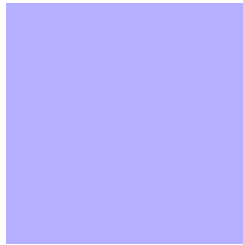
29.7001, 14.3693, 43.9328



2.9062, 1.4049, 4.3535

Previews

White Background



This preview shows how the XYZ color 52.0418, 47.5190, 100.1951 looks on a white background.

Color Contrast Check

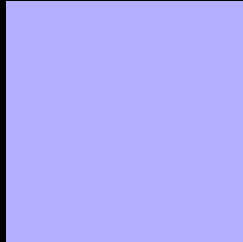
Large Text (above 18pt) WCAG AA × Fail

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 52.0418, 47.5190, 100.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

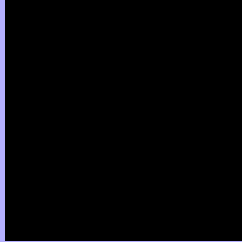
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0418, 47.5190, 100.1951

Background



This preview shows how black text looks on a background with the XYZ color 52.0418, 47.5190, 100.1951.



This preview shows how white text looks on a background with the XYZ color 52.0418, 47.5190,

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

52.0418, 47.5190, 100.1951

Protanopia

49.0711, 47.7413, 101.2364

Deuteranopia

48.9514, 47.7167, 99.5587



Tritanopia

44.1365, 47.3031, 61.4477

Trichromacy



Original Color

52.0418, 47.5190, 100.1951

Protanomaly

50.1064, 47.6757, 101.1692

Deuteranomaly

49.9982, 47.6569, 99.4920

Tritanomaly

46.6757, 47.0993, 74.3411

Monochromacy



Original Color

52.0418, 47.5190, 100.1951

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.2530, 48.3494, 68.4172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0418, 47.5190, 100.1951 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(180, 175, 254)` looks like.

```
.text, #text, p{  
    color:rgb(180, 175, 254)  
}
```

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(180, 175, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 175, 254) }
```

Border

The CSS property to change the border of an element to XYZ 52.0418, 47.5190, 100.1951 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(180, 175, 254) }
```


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

```
.border{ border-color:rgb(180, 175, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 175, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 175, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 175, 254);  
box-shadow:4px 4px 4px 4px rgb(180, 175,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0418, 47.5190, 100.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 175, 254) }
```

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

```
.background{ background-color: rgb(180,  
175, 254) }
```

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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