

Converting Colors

XYZ(52.7221, 46.9333,
100.8880)

Have a look what the booklet for
XYZ(52.7221, 46.9333, 100.8880)
contains.

XYZ(52.8101, 47.0393, 100.9038)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.8101, 47.0393,
100.9038)**

Conversions

Conversions Part 1

Format	Color
Hex	B9ACFF
RGB	185, 172, 255
RGB Percent	73%, 67%, 100%
CMY	0.2745, 0.3255, 0.0000
CMYK	0.27, 0.33, 0.00, 0.00
HSL	249°, 100%, 84%
HSV	249°, 33%, 100%
XYZ	52.8101, 47.0393, 100.9038
YIQ	185.3490, -18.8950, 28.5690

Conversions

Conversions Part 2

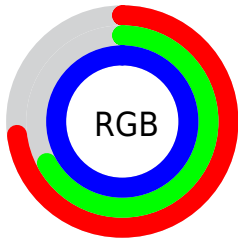
Format	Color
RYB	185, 172, 255
Decimal	12168447
CIELab	74.21, 22.19, -39.45
CIELCh	74, 45.262, 299.363
Yxy	47.0393, 0.2631, 0.2343
Android (android.graphics.Color)	4290358527 (0xFFB9ACFF)
YUV	185.3490, 34.3379, -0.3061
Hunter-Lab	68.5852, 17.4196, -39.2189

Details

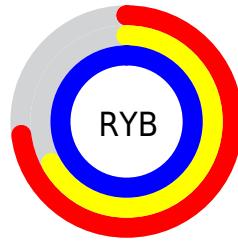
The XYZ color **52.8101, 47.0393, 100.9038** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.8247, 93.3760, 52.8476**, and the grayscale version is **46.1319, 48.5343, 52.8539**.

A 20% lighter version of the original color is **82.1370, 81.0354, 105.9201**, and **26.1154, 22.2560, 56.3455** is the 20% darker color. If you saturate the color by 10%, you get **43.6130, 35.7725, 99.2139**, and if you desaturate by 10%, it is **63.7260, 60.5764, 102.9414**.

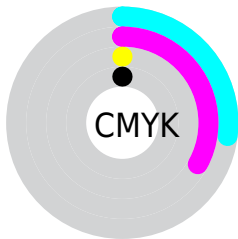
Distribution



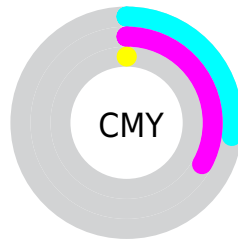
- Red (73%)
- Green (67%)
- Blue (100%)



- Red (73%)
- Yellow (67%)
- Blue (100%)



- Cyan (27%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8101, 47.0393, 100.9038 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 52.8101, 47.0393, 100.9038 by changing the saturation by 10% instead.

■ 52.8101, 47.0393,
100.9038

■ 52.8101, 47.0393,
100.9038

387.8289,
374.9714, 584.3579

■ 37.8781, 33.0667,
76.4345

■ 93.4920, 85.7723,
164.4614

■ 26.0648, 22.1776,
56.2801

119.9727,
111.3015, 204.3867

■ 17.0051, 13.9874,
40.0220

151.0335,
141.4517, 250.3010

■ 10.3335, 8.1119,
27.2418

187.0400,
176.6073, 302.6230

■ 5.6846, 4.1666,
17.5208

228.3574,
217.1526, 361.7711

■ 2.6931, 1.7672,
10.4407

275.3511,

■ 0.9936, 0.4666,

263.4722, 428.1640

5.5827

328.3865,
315.9503, 502.2200

■ 0.0000, 0.0000,
2.5284

■ 0.0000, 0.0000,
0.8551

■ 52.8101, 47.0393,
100.9038

■ 52.8101, 47.0393,
100.9038

■ 43.6130, 35.7725,
99.2139

■ 63.7260, 60.5764,
102.9414

■ 36.0417, 26.6456,
97.8513

■ 76.4383, 76.4937,
105.3438

■ 30.0010, 19.5233,
96.7949

■ 91.0253, 94.9004,
108.1278

■ 25.3838, 14.2523,
96.0208

■ 95.0500, 100.0000,
108.9000

■ 22.0685, 10.6567,
95.5015

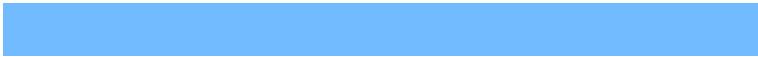
■ 19.9120, 8.5257,
95.2039

■ 18.9228, 7.6699,
95.0908

Harmonies

Analogous

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



44.5362, 47.0393, 110.1985



52.8101, 47.0393, 100.9038



59.5327, 47.0393, 77.5485

Triad

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



52.8101, 47.0393, 100.9038



53.1465, 47.0393, 21.5750



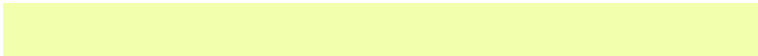
30.8447, 47.0393, 50.7226

Complementary

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



52.8101, 47.0393, 100.9038



79.8247, 93.3760, 52.8476

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.



32.5768, 47.0393, 31.6446



52.8101, 47.0393, 100.9038



44.8831, 47.0393, 18.2559

Square

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



52.8101, 47.0393, 100.9038



59.7429, 47.0393, 32.2729



37.4827, 47.0393, 21.2971



32.4366, 47.0393, 76.4195

Rectangle

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



52.8101, 47.0393, 100.9038



61.8757, 47.0393, 59.9220



37.4827, 47.0393, 21.2971



31.0539, 47.0393, 43.4002

Sweetspot

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



52.8116, 47.0411, 100.9041



79.9737, 80.9426, 106.0162



66.9803, 79.8235, 106.4850



16.6970, 16.7954, 22.6118



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.



52.8116, 47.0411, 100.9041



46.6854, 39.5184, 99.7750



64.1519, 52.8872, 101.4348



17.2679, 17.5143, 22.7204



9.9656, 4.0480, 49.6907



1.0433, 0.4318, 4.8416

Inverse Universe

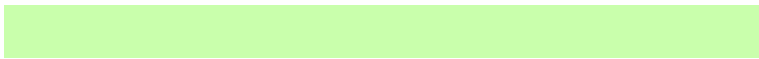
The Inverse Universe completely reimagines the original color for something new.



72.0202, 57.1772, 91.2449



68.6957, 51.1432, 88.2403



67.3082, 86.9234, 52.2619



18.6632, 18.2486, 22.1096



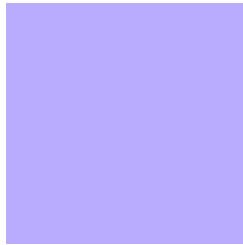
28.0078, 13.6924, 35.0211



2.7585, 1.3458, 3.5755

Previews

White Background



This preview shows how the XYZ color 52.8101, 47.0393, 100.9038 looks on a white background.

Color Contrast Check

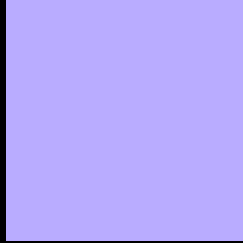
Large Text (above 18pt) WCAG AA × Fail

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 52.8101, 47.0393, 100.9038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

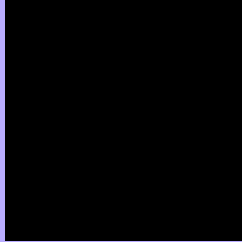
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8101, 47.0393, 100.9038

Background



This preview shows how black text looks on a background with the XYZ color 52.8101, 47.0393, 100.9038.



This preview shows how white text looks on a background with the XYZ color 52.8101, 47.0393,

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

52.8101, 47.0393, 100.9038

Protanopia

48.6693, 47.2334, 101.1596

Deuteranopia

48.3490, 47.1053, 99.4725



Tritanopia

44.5821, 46.9429, 60.1372

Trichromacy



Original Color

52.8101, 47.0393, 100.9038

Protanomaly

49.9206, 46.9891, 101.0464

Deuteranomaly

49.7600, 46.9249, 100.2007

Tritanomaly

47.2664, 46.8196, 73.5637

Monochromacy



Original Color

52.8101, 47.0393, 100.9038

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.9617, 47.6099, 67.6346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8101, 47.0393, 100.9038 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(185, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 172, 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(185, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.8101, 47.0393, 100.9038 is called "border". The border property can be set on classes, ids or directly on the HTML element.

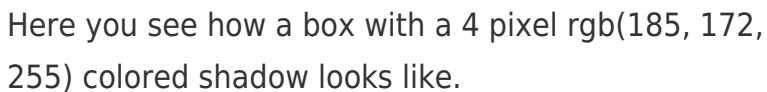
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 172, 255) }
```


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

```
.border{ border-color:rgb(185, 172, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8101, 47.0393, 100.9038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 172, 255) }
```

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

```
.background{ background-color: rgb(185,  
172, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor