

Converting Colors

XYZ(55.6815, 46.6799,
119.5555)

Have a look what the booklet for
XYZ(55.6815, 46.6799, 119.5555)
contains.

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Color

**XYZ(52.1184, 45.2965,
100.6039)**

Conversions

Conversions Part 1

Format	Color
Hex	BAA7FF
RGB	186, 167, 255
RGB Percent	73%, 65%, 100%
CMY	0.2706, 0.3451, 0.0000
CMYK	0.27, 0.35, 0.00, 0.00
HSL	253°, 100%, 83%
HSV	253°, 35%, 100%
XYZ	52.1184, 45.2965, 100.6039
YIQ	182.7130, -16.9240, 31.3960

Conversions

Conversions Part 2

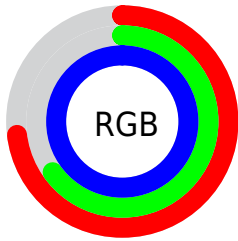
Format	Color
RYB	186, 167, 255
Decimal	12232703
CIELab	73.09, 25.25, -41.20
CIELCh	73, 48.323, 301.508
Yxy	45.2965, 0.2632, 0.2287
Android (android.graphics.Color)	4290422783 (0xFFBAA7FF)
YUV	182.7130, 35.6375, 2.8827
Hunter-Lab	67.3027, 20.4486, -41.5147

Details

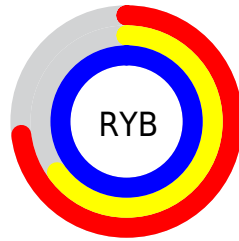
The XYZ color **52.1184, 45.2965, 100.6039** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.3275, 92.1431, 50.2707**, and the grayscale version is **44.6716, 46.9980, 51.1809**.

A 20% lighter version of the original color is **81.4795, 78.6956, 105.5031**, and **25.6838, 21.1640, 56.1575** is the 20% darker color. If you saturate the color by 10%, you get **43.3771, 34.5265, 98.9858**, and if you desaturate by 10%, it is **62.4633, 58.2622, 102.5613**.

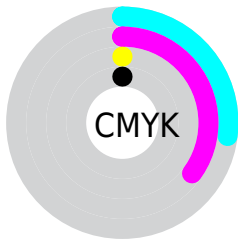
Distribution



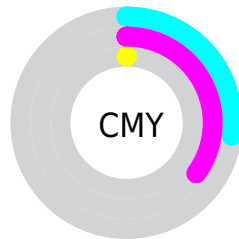
- Red (73%)
- Green (65%)
- Blue (100%)



- Red (73%)
- Yellow (65%)
- Blue (100%)



- Cyan (27%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1184, 45.2965, 100.6039 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 52.1184, 45.2965, 100.6039 by changing the saturation by 10% instead.

■ 52.1184, 45.2965,
100.6039

■ 52.1184, 45.2965,
100.6039

385.2100,
367.9731, 583.3903

■ 37.3241, 31.6910,
76.1853

■ 92.4790, 83.1652,
164.0459

■ 25.6334, 21.1256,
56.0769

■ 118.7761,
108.1971, 203.9064

■ 16.6808, 13.2159,
39.8602

149.6381,
137.8068, 249.7513

■ 10.1011, 7.5774,
27.1166

185.4304,
172.3784, 301.9991

■ 5.5288, 3.8257,
17.4276

226.5184,
212.2965, 361.0684

■ 2.5986, 1.5766,
10.3746

273.2674,

■ 0.9453, 0.3417,

257.9453, 427.3776

5.5392

326.0428,
309.7094, 501.3454

■ 0.0000, 0.0000,
2.5028

■ 0.0000, 0.0000,
0.8416

■ 52.1184, 45.2965,
100.6039

■ 52.1184, 45.2965,
100.6039

■ 43.3771, 34.5265,
98.9858

■ 62.4633, 58.2622,
102.5613

■ 36.1525, 25.8239,
97.6868

■ 74.4837, 73.5320,
104.8751

■ 30.3560, 19.0548,
96.6857

■ 88.2525, 91.2132,
107.5622

■ 25.8875, 14.0668,
95.9585

95.0500, 100.0000,
108.9000

■ 22.6329, 10.6843,
95.4771

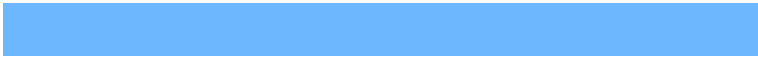
■ 20.4564, 8.6938,
95.2076

■ 19.6287, 8.0339,
95.1239

Harmonies

Analogous

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



43.4821, 45.2965, 112.0230



52.1184, 45.2965, 100.6039



58.9764, 45.2965, 75.0256

Triad

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



52.1184, 45.2965, 100.6039



51.2815, 45.2965, 18.6780



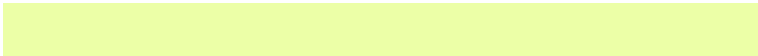
28.7631, 45.2965, 50.5553

Complementary

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



52.1184, 45.2965, 100.6039



77.3275, 92.1431, 50.2707

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.



30.2895, 45.2965, 30.2801



52.1184, 45.2965, 100.6039



42.6267, 45.2965, 15.8871

Square

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



52.1184, 45.2965, 100.6039



58.4504, 45.2965, 28.7732



35.1049, 45.2965, 19.3266



30.6291, 45.2965, 77.8670

Rectangle

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



52.1184, 45.2965, 100.6039



61.2125, 45.2965, 56.5187



35.1049, 45.2965, 19.3266



28.8951, 45.2965, 42.7604

Sweetspot

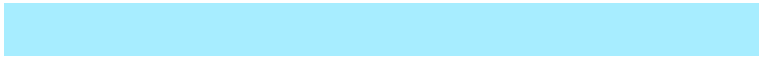
The Sweet Spot groups the original color and five complimentary colors.



52.1198, 45.2982, 100.6042



80.4707, 81.1989, 106.0394



64.3874, 76.2365, 105.9293



16.8163, 16.8570, 22.6174



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.



52.1198, 45.2982, 100.6042



46.2672, 38.0636, 99.5162



64.0553, 51.4512, 101.1627



17.3696, 17.5667, 22.7252



10.3577, 4.2501, 49.7090



1.0958, 0.4588, 4.8441

Inverse Universe

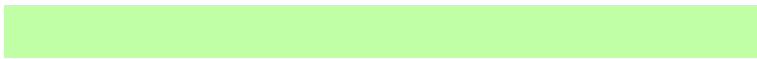
The Inverse Universe completely reimagines the original color for something new.



70.1997, 54.9548, 86.2645



66.8444, 49.0670, 82.6094



64.8304, 85.7006, 49.6858



18.6148, 18.2293, 21.8549



27.0503, 13.3094, 29.9789



2.6735, 1.3118, 3.1283

Previews

White Background



This preview shows how the XYZ color 52.1184, 45.2965, 100.6039 looks on a white background.

Color Contrast Check

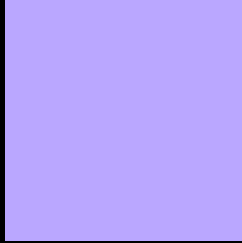
Large Text (above 18pt) WCAG AA × Fail

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 52.1184, 45.2965, 100.6039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

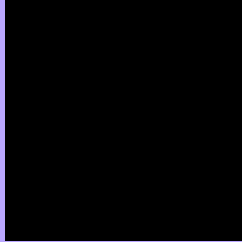
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1184, 45.2965, 100.6039

Background



This preview shows how black text looks on a background with the XYZ color 52.1184, 45.2965, 100.6039.



This preview shows how white text looks on a background with the XYZ color 52.1184, 45.2965,

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

52.1184, 45.2965, 100.6039

Protanopia

47.0986, 45.5343, 100.9144

Deuteranopia

46.5886, 45.3084, 99.2184



Tritanopia

43.3133, 45.1339, 57.4678

Trichromacy



Original Color

52.1184, 45.2965, 100.6039

Protanomaly

48.7195, 45.2141, 100.7671

Deuteranomaly

48.3500, 45.0422, 99.9116

Tritanomaly

46.0847, 45.0828, 71.2387

Monochromacy



Original Color

52.1184, 45.2965, 100.6039

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.9979, 46.2381, 66.7694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1184, 45.2965, 100.6039 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(186, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 167, 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(186, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.1184, 45.2965, 100.6039 is called "border". The border property can be set on classes, ids or directly on the HTML element.

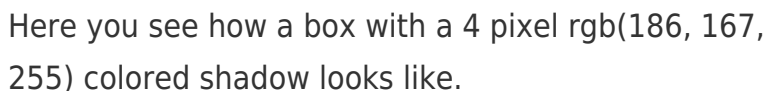
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 167, 255) }
```


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

```
.border{ border-color:rgb(186, 167, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1184, 45.2965, 100.6039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 167, 255) }
```

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

```
.background{ background-color: rgb(186,  
167, 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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