

Converting Colors

XYZ(53.1373, 46.6445,
115.2888)

Have a look what the booklet for
XYZ(53.1373, 46.6445, 115.2888)
contains.

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Color

**XYZ(50.2921, 45.4598,
100.7317)**

Conversions

Conversions Part 1

Format	Color
Hex	AFABFF
RGB	175, 171, 255
RGB Percent	69%, 67%, 100%
CMY	0.3137, 0.3294, 0.0000
CMYK	0.31, 0.33, 0.00, 0.00
HSL	243°, 100%, 84%
HSV	243°, 33%, 100%
XYZ	50.2921, 45.4598, 100.7317
YIQ	181.7720, -24.5800, 26.9720

Conversions

Conversions Part 2

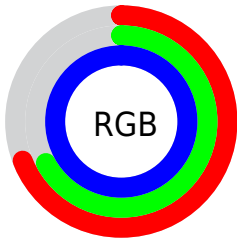
Format	Color
RYB	175, 171, 255
Decimal	11512831
CIELab	73.19, 19.96, -41.10
CIELCh	73, 45.686, 295.901
Yxy	45.4598, 0.2560, 0.2314
Android (android.graphics.Color)	4289702911 (0xFFAFABFF)
YUV	181.7720, 36.1014, -5.9390
Hunter-Lab	67.4239, 15.1530, -41.3829

Details

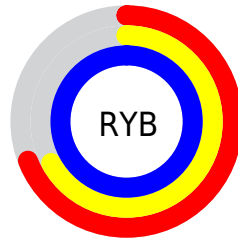
The XYZ color **50.2921, 45.4598, 100.7317** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.8947, 94.9696, 52.4918**, and the grayscale version is **44.1603, 46.4601, 50.5950**.

A 20% lighter version of the original color is **78.5251, 78.7685, 105.6729**, and **24.5356, 21.2639, 56.2373** is the 20% darker color. If you saturate the color by 10%, you get **40.9627, 34.1773, 99.0457**, and if you desaturate by 10%, it is **61.5337, 59.1091, 102.7738**.

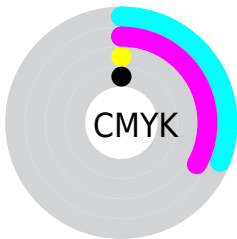
Distribution



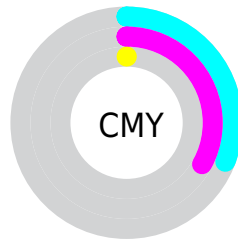
- Red (69%)
- Green (67%)
- Blue (100%)



- Red (69%)
- Yellow (67%)
- Blue (100%)



- Cyan (31%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2921, 45.4598, 100.7317 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 50.2921, 45.4598, 100.7317 by changing the saturation by 10% instead.

■ 50.2921, 45.4598,
100.7317

■ 50.2921, 45.4598,
100.7317

378.2403,
368.6326, 583.8027

■ 35.8643, 31.8197,
76.2915

■ 89.7967, 83.4100,
164.2230

■ 24.4990, 21.2239,
56.1635

115.6043,
108.4889, 204.1111

■ 15.8309, 13.2877,
39.9291

145.9358,
138.1495, 249.9856

■ 9.4947, 7.6270,
27.1699

181.1567,
172.7763, 302.2650

■ 5.1249, 3.8572,
17.4673

221.6322,
212.7536, 361.3679

■ 2.3562, 1.5940,
10.4028

267.7277,

■ 0.8232, 0.3536,

258.4658, 427.7128

5.5577

319.8086,
310.2973, 501.7182

■ 0.0000, 0.0000,
2.5137

■ 0.0000, 0.0000,
0.8474

■ 50.2921, 45.4598,
100.7317

■ 50.2921, 45.4598,
100.7317

■ 40.9627, 34.1773,
99.0457

■ 61.5337, 59.1091,
102.7738

■ 33.4349, 25.1223,
97.6946

■ 74.7810, 75.2438,
105.1899

■ 27.5937, 18.1486,
96.6564

■ 90.1269, 93.9808,
107.9977

■ 23.3088, 13.0905,
95.9059

■ 95.0500, 100.0000,
108.9000

■ 20.4309, 9.7572,
95.4142

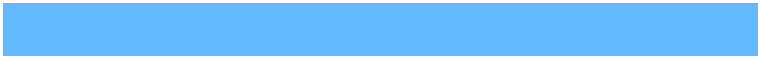
■ 18.7813, 7.9182,
95.1462

■ 18.2036, 7.2992,
95.0572

Harmonies

Analogous

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



42.1164, 45.4598, 107.8271



50.2921, 45.4598, 100.7317



57.2599, 45.4598, 78.5779

Triad

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



50.2921, 45.4598, 100.7317



52.4320, 45.4598, 21.2174



29.5930, 45.4598, 46.4111

Complementary

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



50.2921, 45.4598, 100.7317



82.8947, 94.9696, 52.4918

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.



31.6668, 45.4598, 28.6564



50.2921, 45.4598, 100.7317



44.3186, 45.4598, 17.2467

Square

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



50.2921, 45.4598, 100.7317



58.5986, 45.4598, 32.6203



36.8228, 45.4598, 19.4746



30.7802, 45.4598, 71.3771

Rectangle

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



50.2921, 45.4598, 100.7317



59.9359, 45.4598, 61.0409



36.8228, 45.4598, 19.4746



29.9242, 45.4598, 39.5105

Sweetspot

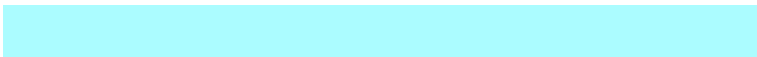
The Sweet Spot groups the original color and five complimentary colors.



50.2935, 45.4615, 100.7319



79.0707, 80.4772, 105.9739



69.7186, 85.6249, 107.4604



16.4806, 16.6839, 22.6016



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.



50.2935, 45.4615, 100.7319



43.5137, 37.2571, 99.5057



60.8739, 50.9159, 101.2271



17.0830, 17.4190, 22.7118



9.5455, 3.8314, 49.6710



0.9563, 0.3869, 4.8376

Inverse Universe

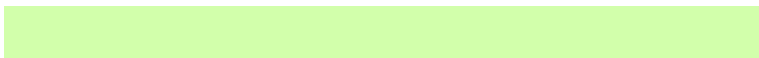
The Inverse Universe completely reimagines the original color for something new.



73.2161, 57.3522, 98.4779



69.9089, 50.9535, 96.7102



69.7469, 88.1917, 51.8765



18.7531, 18.2846, 22.5829



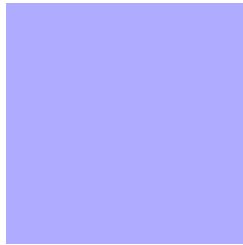
30.0070, 14.4921, 45.5489



2.9328, 1.4155, 4.4933

Previews

White Background



This preview shows how the XYZ color 50.2921, 45.4598, 100.7317 looks on a white background.

Color Contrast Check

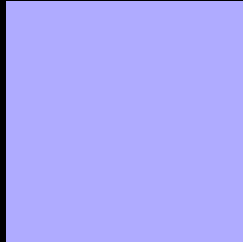
Large Text (above 18pt) WCAG AA × Fail

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 50.2921, 45.4598, 100.7317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

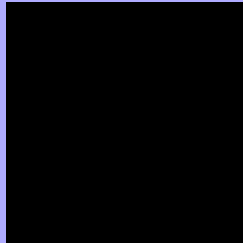
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2921, 45.4598, 100.7317

Background



This preview shows how black text looks on a background with the XYZ color 50.2921, 45.4598, 100.7317.



This preview shows how white text looks on a background with the XYZ color 50.2921, 45.4598,

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

50.2921, 45.4598, 100.7317

Protanopia

47.2897, 45.6328, 100.9233

Deuteranopia

46.9467, 45.7689, 100.1258



Tritanopia

42.1158, 45.6847, 59.4216

Trichromacy



Original Color

50.2921, 45.4598, 100.7317

Protanomaly

48.2803, 45.5613, 100.8573

Deuteranomaly

47.9173, 45.3928, 100.0021

Tritanomaly

44.7113, 45.5176, 72.7589

Monochromacy



Original Color

50.2921, 45.4598, 100.7317

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.0194, 46.0279, 66.7804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2921, 45.4598, 100.7317 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(175, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 171, 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(175, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.2921, 45.4598, 100.7317 is called "border". The border property can be set on classes, ids or directly on the HTML element.

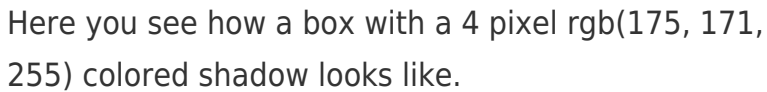
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 171, 255) }
```


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

```
.border{ border-color:rgb(175, 171, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 171, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 171, 255); box-shadow:4px 4px 4px 4px rgb(175, 171, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2921, 45.4598, 100.7317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 171, 255) }
```

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

```
.background{ background-color: rgb(175,  
171, 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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