

Converting Colors

XYZ(52.5370, 47.6988,
115.7534)

Have a look what the booklet for
XYZ(52.5370, 47.6988, 115.7534)
contains.

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Color

**XYZ(49.7238, 46.5955,
100.9808)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B0FF
RGB	168, 176, 255
RGB Percent	66%, 69%, 100%
CMY	0.3412, 0.3098, 0.0000
CMYK	0.34, 0.31, 0.00, 0.00
HSL	234°, 100%, 83%
HSV	234°, 34%, 100%
XYZ	49.7238, 46.5955, 100.9808
YIQ	182.6140, -30.1270, 22.8730

Conversions

Conversions Part 2

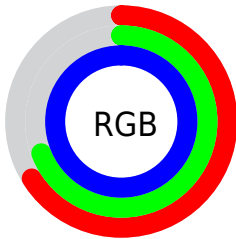
Format	Color
R_{YB}	168, 175, 255
Decimal	11055359
CIE _{Lab}	73.93, 15.25, -39.99
CIE _{LCh}	74, 42.797, 290.878
Yxy	46.5955, 0.2520, 0.2362
Android (android.graphics.Color)	4289245439 (0xFFA8B0FF)
YUV	182.6140, 35.6863, -12.8165
Hunter-Lab	68.2609, 10.5695, -39.9272

Details

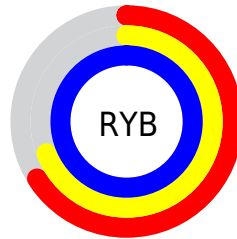
The XYZ color **49.7238, 46.5955, 100.9808** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.5692, 90.6093, 50.2379**, and the grayscale version is **44.6226, 46.9464, 51.1247**.

A 20% lighter version of the original color is **77.6773, 80.3794, 106.0285**, and **24.2107, 22.0032, 56.3971** is the 20% darker color. If you saturate the color by 10%, you get **40.6584, 35.7482, 99.3649**, and if you desaturate by 10%, it is **60.6310, 59.5437, 102.9052**.

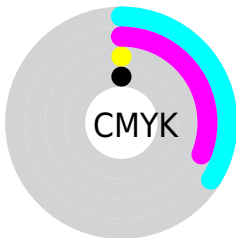
Distribution



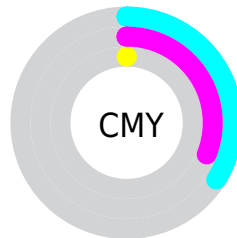
- Red (66%)
- Green (69%)
- Blue (100%)



- Red (66%)
- Yellow (69%)
- Blue (100%)



- Cyan (34%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7238, 46.5955, 100.9808 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 49.7238, 46.5955, 100.9808 by changing the saturation by 10% instead.

■ 49.7238, 46.5955,
100.9808

■ 49.7238, 46.5955,
100.9808

376.0547,
373.1976, 584.6062

■ 35.4109, 32.7160,
76.4985

■ 88.9598, 85.1095,
164.5680

■ 24.1476, 21.9090,
56.3322

114.6136,
110.5128, 204.5099

■ 15.5684, 13.7900,
40.0636

144.7783,
140.5262, 250.4421

■ 9.3082, 7.9748,
27.2740

179.8195,
175.5340, 302.7831

■ 5.0015, 4.0788,
17.5448

220.1023,
215.9206, 361.9515

■ 2.2829, 1.7177,
10.4576

265.9923,

■ 0.7859, 0.4351,

262.0705, 428.3658

5.5939

317.8546,
314.3681, 502.4445

■ 0.0000, 0.0000,
2.5350

■ 0.0000, 0.0000,
0.8586

■ 49.7238, 46.5955,
100.9808

■ 49.7238, 46.5955,
100.9808

■ 40.6584, 35.7482,
99.3649

■ 60.6310, 59.5437,
102.9052

■ 33.3285, 26.8858,
98.0406

■ 73.4693, 74.6901,
105.1521

■ 27.6238, 19.8890,
96.9908

■ 88.3279, 92.1324,
107.7357

■ 23.4196, 14.6235,
96.1960

■ 95.0500, 100.0000,
108.9000

■ 20.5726, 10.9368,
95.6345

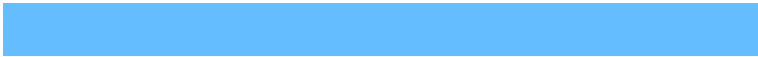
■ 18.9109, 8.6492,
95.2805

■ 18.3654, 7.8507,
95.1551

Harmonies

Analogous

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



42.0025, 46.5955, 104.5459



49.7238, 46.5955, 100.9808



56.6706, 46.5955, 82.1272

Triad

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



49.7238, 46.5955, 100.9808



54.2032, 46.5955, 24.6232



31.3255, 46.5955, 44.3615

Complementary

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



49.7238, 46.5955, 100.9808



81.5692, 90.6093, 50.2379

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.



33.8542, 46.5955, 28.5753



49.7238, 46.5955, 100.9808



46.6542, 46.5955, 19.5322

Square

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



49.7238, 46.5955, 100.9808



59.4561, 46.5955, 37.1871



39.2628, 46.5955, 20.7347



31.9469, 46.5955, 67.2276

Rectangle

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



49.7238, 46.5955, 100.9808



59.6434, 46.5955, 65.7785



39.2628, 46.5955, 20.7347



31.8234, 46.5955, 38.1794

Sweetspot

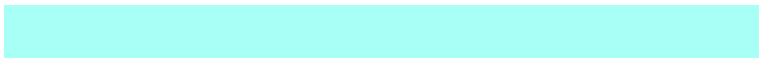
The Sweet Spot groups the original color and five complimentary colors.



49.7253, 46.5972, 100.9811



79.3358, 81.5862, 106.1740



68.5900, 86.5176, 100.5152



16.5441, 16.9494, 22.6495



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.



49.7253, 46.5972, 100.9811



43.2924, 38.9104, 99.8364



56.6282, 47.8955, 100.8679



17.1373, 17.6462, 22.7528



9.6412, 4.1919, 49.7356



0.9819, 0.4946, 4.8570

Inverse Universe

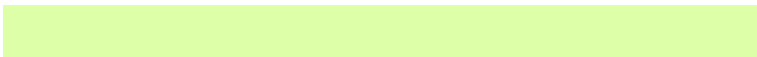
The Inverse Universe completely reimagines the original color for something new.



63.0802, 52.4015, 47.8658



58.5690, 45.7569, 39.0318



72.4045, 89.5944, 50.5251



18.0772, 18.0142, 19.0236



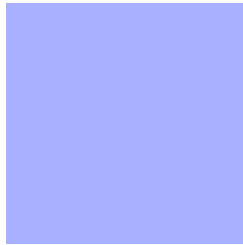
21.6546, 11.1511, 1.5657



2.1302, 1.0945, 0.2673

Previews

White Background



This preview shows how the XYZ color 49.7238, 46.5955, 100.9808 looks on a white background.

Color Contrast Check

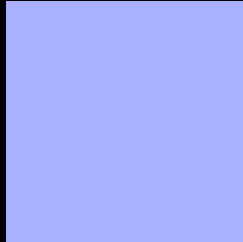
Large Text (above 18pt) WCAG AA × Fail

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 49.7238, 46.5955, 100.9808 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 49.7238, 46.5955, 100.9808

Background



This preview shows how black text looks on a background with the XYZ color 49.7238, 46.5955, 100.9808.



This preview shows how white text looks on a background with the XYZ color 49.7238, 46.5955,

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

49.7238, 46.5955, 100.9808

Protanopia

48.2707, 46.7293, 101.0833

Deuteranopia

47.7198, 46.4639, 100.2193



Tritanopia

41.8118, 46.4028, 62.0113

Trichromacy



Original Color

49.7238, 46.5955, 100.9808

Protanomaly

48.8707, 46.7422, 101.0541

Deuteranomaly

48.3070, 46.4701, 100.1895

Tritanomaly

44.2763, 46.1499, 74.9808

Monochromacy



Original Color

49.7238, 46.5955, 100.9808

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.1900, 46.7109, 66.9032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7238, 46.5955, 100.9808 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(168, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 176, 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(168, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.7238, 46.5955, 100.9808 is called "border". The border property can be set on classes, ids or directly on the HTML element.

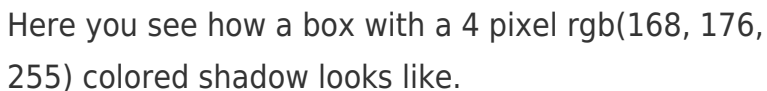
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 176, 255) }
```


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

```
.border{ border-color:rgb(168, 176, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7238, 46.5955, 100.9808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 176, 255) }
```

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

```
.background{ background-color: rgb(168,  
176, 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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