

Converting Colors

XYZ(46.6872, 38.7610, 94.6435)

Have a look what the booklet for
XYZ(46.6872, 38.7610, 94.6435)
contains.

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Color

**XYZ(46.6872, 38.7610,
94.6435)**

Conversions

Conversions Part 1

Format	Color
Hex	B298F9
RGB	178, 152, 249
RGB Percent	70%, 60%, 98%
CMY	0.3019, 0.4039, 0.0235
CMYK	0.29, 0.39, 0.00, 0.02
HSL	256°, 89%, 79%
HSV	256°, 39%, 98%
XYZ	46.6872, 38.7610, 94.6435
YIQ	170.8320, -15.6410, 35.6790

Conversions

Conversions Part 2

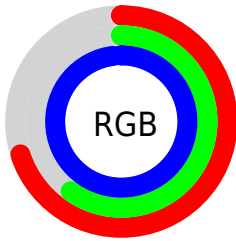
Format	Color
R _Y B	178, 152, 249
Decimal	11704569
CIE Lab	68.58, 29.95, -45.05
CIE LCh	69, 54.095, 303.617
Yxy	38.7610, 0.2592, 0.2152
Android (android.graphics.Color)	4289894649 (0xFFB298F9)
YUV	170.8320, 38.5368, 6.2863
Hunter-Lab	62.2583, 24.9041, -46.5503

Details

The XYZ color **46.6872, 38.7610, 94.6435** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.9754, 85.7071, 42.5622**, and the grayscale version is **38.4441, 40.4462, 44.0459**.

A 20% lighter version of the original color is **74.6238, 69.5078, 104.0910**, and **22.3365, 17.3241, 52.0358** is the 20% darker color. If you saturate the color by 10%, you get **39.1545, 29.4957, 93.2528**, and if you desaturate by 10%, it is **55.6266, 50.0122, 96.3447**.

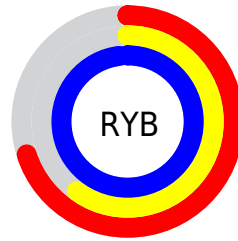
Distribution



Red (70%)

Green (60%)

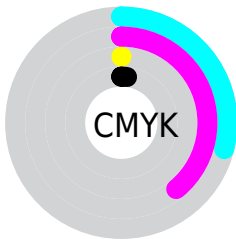
Blue (98%)



Red (70%)

Yellow (60%)

Blue (98%)

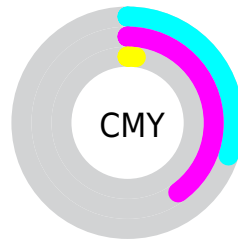


Cyan (29%)

Magenta (39%)

Yellow (0%)

Black (2%)



Cyan (30%)

Magenta (40%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6872, 38.7610, 94.6435 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 46.6872, 38.7610, 94.6435 by changing the saturation by 10% instead.


 46.6872, 38.7610,
94.6435


 46.6872, 38.7610,
94.6435


364.2344,
340.8733, 563.9782

 32.9954, 26.5739,
71.2430


 84.4681, 73.2731,
155.7633

 22.2821, 17.2534,
52.0575


 109.2879, 96.3668,
194.3198

 14.1821, 10.4153,
36.6684


138.5477,
123.8648, 238.7653

 8.3300, 5.6752,
24.6571

172.6128,
156.1515, 289.5185

 4.3604, 2.6486,
15.6050

211.8487,
193.6113, 346.9978

 1.9080, 0.9512,
9.0938

256.6207,

 0.5815, 0.0000,

236.6286, 411.6219

4.7048

307.2941,
285.5878, 483.8091

■ 0.0000, 0.0000,
2.0194

■ 0.0000, 0.0000,
0.5672

■ 46.6872, 38.7610,
94.6435

■ 46.6872, 38.7610,
94.6435

■ 39.1545, 29.4957,
93.2528

■ 55.6266, 50.0122,
96.3447

■ 32.9489, 22.0935,
92.1511

■ 66.0379, 63.3531,
98.3711

■ 27.9893, 16.4249,
91.3184

■ 77.9871, 78.8856,
100.7393

■ 24.1826, 12.3411,
90.7307

■ 91.5349, 96.7035,
103.4645

■ 21.4214, 9.6669,
90.3601

■ 94.0990, 99.6196,
103.8922

■ 19.5567, 8.1485,
90.1653

■ 19.3962, 8.0239,
90.1497

Harmonies

Analogous

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



37.8856, 38.7610, 108.5738



46.6872, 38.7610, 94.6435



53.5724, 38.7610, 66.7043

Triad

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



46.6872, 38.7610, 94.6435



44.6197, 38.7610, 12.5619



22.7781, 38.7610, 45.2375

Complementary

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



46.6872, 38.7610, 94.6435



69.9754, 85.7071, 42.5622

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.



24.0158, 38.7610, 24.5847



46.6872, 38.7610, 94.6435



35.8161, 38.7610, 10.5420

Square

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



46.6872, 38.7610, 94.6435



52.2552, 38.7610, 21.1756



28.4870, 38.7610, 13.9299



24.8022, 38.7610, 73.9139

Rectangle

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



46.6872, 38.7610, 94.6435



55.6609, 38.7610, 47.6437



28.4870, 38.7610, 13.9299



22.8282, 38.7610, 37.1953

Sweetspot

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



46.6886, 38.7625, 94.6444



78.2878, 78.0033, 105.5377



56.4723, 66.3628, 99.4561



16.3978, 16.2285, 22.5181



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.



46.6886, 38.7625, 94.6444



42.7295, 32.8354, 98.6935



59.8074, 45.5255, 95.2584



16.7194, 16.8680, 21.7599



10.4970, 4.3541, 48.2607



1.0684, 0.4528, 4.4743

Inverse Universe

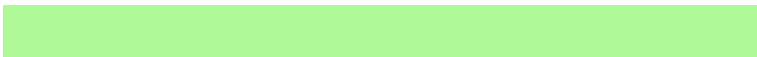
The Inverse Universe completely reimagines the original color for something new.



63.6154, 47.9252, 75.7103



63.2273, 43.9508, 74.8743



57.1413, 79.0909, 41.9616



17.7828, 17.4405, 20.7120



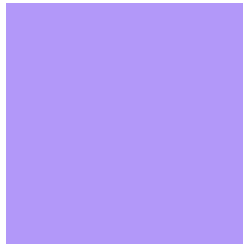
25.5080, 12.6189, 25.1814



2.4065, 1.1863, 2.5642

Previews

White Background



This preview shows how the XYZ color 46.6872, 38.7610, 94.6435 looks on a white background.

Color Contrast Check

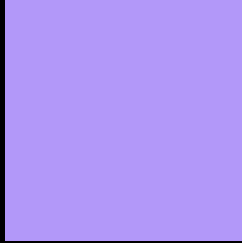
Large Text (above 18pt) WCAG AA × Fail

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 46.6872, 38.7610, 94.6435 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 46.6872, 38.7610, 94.6435

Background



This preview shows how black text looks on a background with the XYZ color 46.6872, 38.7610, 94.6435.



This preview shows how white text looks on a background with the XYZ color 46.6872, 38.7610,

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

46.6872, 38.7610, 94.6435

Protanopia

41.3171, 38.9218, 99.9428

Deuteranopia

40.1023, 38.9946, 92.6019



Tritanopia

37.3668, 38.8252, 48.7046

Trichromacy



Original Color

46.6872, 38.7610, 94.6435

Protanomaly

43.0629, 38.8128, 98.1505

Deuteranomaly

42.1110, 38.6892, 93.2440

Tritanomaly

40.3020, 38.6835, 63.1001

Monochromacy



Original Color

46.6872, 38.7610, 94.6435

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.0398, 39.6731, 59.5275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6872, 38.7610, 94.6435 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(178, 152, 249)` looks like.

```
.text, #text, p{  
    color:rgb(178, 152, 249)  
}
```

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(178, 152, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 152, 249) }
```

Border

The CSS property to change the border of an element to XYZ 46.6872, 38.7610, 94.6435 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(178, 152, 249) }
```


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

```
.border{ border-color:rgb(178, 152, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 152, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 152, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 152, 249);  
box-shadow:4px 4px 4px 4px rgb(178, 152,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6872, 38.7610, 94.6435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 152, 249) }
```

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

```
.background{ background-color: rgb(178,  
152, 249) }
```

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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