

Converting Colors

XYZ(49.4368, 44.0564, 94.8170)

Have a look what the booklet for
XYZ(49.4368, 44.0564, 94.8170)
contains.

XYZ(49.3524, 43.9984, 94.6983)	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(49.3524, 43.9984,
94.6983)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A7F8
RGB	179, 167, 248
RGB Percent	70%, 65%, 97%
CMY	0.2980, 0.3451, 0.0274
CMYK	0.28, 0.33, 0.00, 0.03
HSL	249°, 85%, 81%
HSV	249°, 33%, 97%
XYZ	49.3524, 43.9984, 94.6983
YIQ	179.8220, -18.8490, 27.7350

Conversions

Conversions Part 2

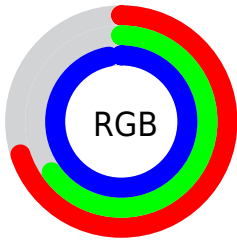
Format	Color
R _Y B	179, 167, 248
Decimal	11773944
CIE Lab	72.23, 21.59, -38.79
CIE LCh	72, 44.393, 299.095
Yxy	43.9984, 0.2624, 0.2340
Android (android.graphics.Color)	4289964024 (0xFFB3A7F8)
YUV	179.8220, 33.6118, -0.7209
Hunter-Lab	66.3313, 16.7294, -38.2139

Details

The XYZ color **49.3524, 43.9984, 94.6983** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.1354, 87.7585, 49.5399**, and the grayscale version is **43.1210, 45.3667, 49.4043**.

A 20% lighter version of the original color is **78.7633, 77.2954, 105.3760**, and **23.8469, 20.3081, 51.9532** is the 20% darker color. If you saturate the color by 10%, you get **40.7232, 33.4406, 93.1160**, and if you desaturate by 10%, it is **59.6039, 56.6875, 96.6080**.

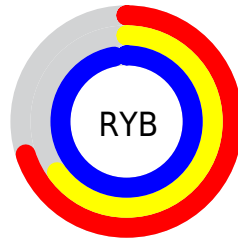
Distribution



Red (70%)

Green (65%)

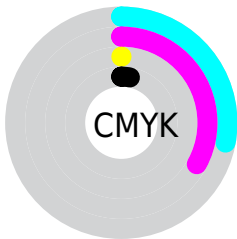
Blue (97%)



Red (70%)

Yellow (65%)

Blue (97%)

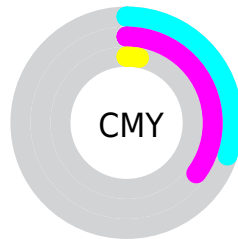


Cyan (28%)

Magenta (33%)

Yellow (0%)

Black (3%)



Cyan (30%)

Magenta (35%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3524, 43.9984, 94.6983 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 49.3524, 43.9984, 94.6983 by changing the saturation by 10% instead.

■ 49.3524, 43.9984,
94.6983

■ 49.3524, 43.9984,
94.6983

374.6220,
362.7017, 564.1583

■ 35.1148, 30.6693,
71.2884

■ 88.4122, 81.2153,
155.8397

■ 23.9182, 20.3471,
52.0943

■ 113.9651,
105.8719, 194.4083

■ 15.3974, 12.6476,
36.6975

144.0205,
135.0731, 238.8669

■ 9.1869, 7.1863,
24.6794

178.9437,
169.2033, 289.6340

■ 4.9214, 3.5789,
15.6215

219.1001,
208.6468, 347.1281

■ 2.2355, 1.4409,
9.1053

264.8550,

■ 0.7613, 0.2466,

253.7881, 411.7679

4.7122

316.5739,
305.0117, 483.9718

■ 0.0000, 0.0000,
2.0236

■ 0.0000, 0.0000,
0.5697

■ 49.3524, 43.9984,
94.6983

■ 49.3524, 43.9984,
94.6983

■ 40.7232, 33.4406,
93.1160

■ 59.6039, 56.6875,
96.6080

■ 33.6276, 24.8915,
91.8398

■ 71.5507, 71.6111,
98.8589

■ 27.9758, 18.2240,
90.8508

■ 85.2672, 88.8719,
101.4676

■ 23.6662, 13.2940,
90.1263

■ 93.9434, 99.5574,
103.0728

■ 20.5835, 9.9365,
89.6407

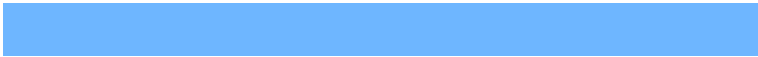
■ 18.5920, 7.9532,
89.3629

■ 17.6971, 7.1659,
89.2581

Harmonies

Analogous

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



41.5882, 43.9984, 103.2726



49.3524, 43.9984, 94.6983



55.6858, 43.9984, 72.8401

Triad

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



49.3524, 43.9984, 94.6983



49.8013, 43.9984, 20.1781



28.8184, 43.9984, 47.2471

Complementary

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



49.3524, 43.9984, 94.6983



75.1354, 87.7585, 49.5399

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.



30.4698, 43.9984, 29.4317



49.3524, 43.9984, 94.6983



42.0510, 43.9984, 17.0161

Square

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



49.3524, 43.9984, 94.6983



55.9663, 43.9984, 30.2690



35.0944, 43.9984, 19.8081



30.2828, 43.9984, 71.3329

Rectangle

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



49.3524, 43.9984, 94.6983



57.9114, 43.9984, 56.2880



35.0944, 43.9984, 19.8081



29.0238, 43.9984, 40.4018

Sweetspot

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



49.3539, 44.0001, 94.6993



79.9029, 80.9062, 106.0129



63.2230, 75.6782, 100.0828



16.6800, 16.7867, 22.6110



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.



49.3539, 44.0001, 94.6993



46.5021, 39.4239, 99.7664



59.7665, 49.3680, 95.1866



16.5223, 16.7664, 21.7507



9.6305, 3.9074, 48.2202



0.9612, 0.3976, 4.4693

Inverse Universe

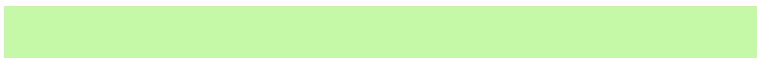
The Inverse Universe completely reimagines the original color for something new.



67.6715, 53.6514, 86.1466



68.8208, 51.1933, 88.8995



63.4911, 81.7557, 48.9949



17.8760, 17.4778, 21.2027



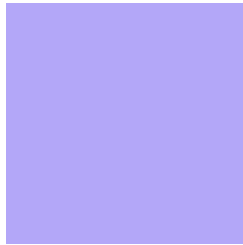
27.3223, 13.3447, 34.7354



2.5596, 1.2476, 3.3704

Previews

White Background



This preview shows how the XYZ color 49.3524, 43.9984, 94.6983 looks on a white background.

Color Contrast Check

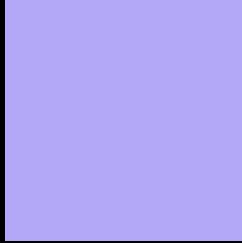
Large Text (above 18pt) WCAG AA × Fail

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 49.3524, 43.9984, 94.6983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

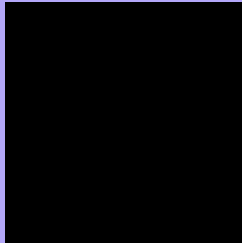
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3524, 43.9984, 94.6983

Background



This preview shows how black text looks on a background with the XYZ color 49.3524, 43.9984, 94.6983.



This preview shows how white text looks on a background with the XYZ color 49.3524, 43.9984,

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

49.3524, 43.9984, 94.6983

Protanopia

45.9743, 44.1033, 99.8556

Deuteranopia

45.2910, 44.1838, 93.3300



Tritanopia

41.5833, 43.9714, 56.1648

Trichromacy



Original Color

49.3524, 43.9984, 94.6983

Protanomaly

47.0339, 43.8355, 98.0776

Deuteranomaly

46.6453, 44.0070, 94.0314

Tritanomaly

44.0330, 43.7962, 68.4201

Monochromacy



Original Color

49.3524, 43.9984, 94.6983

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.1718, 44.7710, 64.0185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3524, 43.9984, 94.6983 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(179, 167, 248)` looks like.

```
.text, #text, p{  
    color:rgb(179, 167, 248)  
}
```

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(179, 167, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 167, 248) }
```

Border

The CSS property to change the border of an element to XYZ 49.3524, 43.9984, 94.6983 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(179, 167, 248) }
```


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

```
.border{ border-color:rgb(179, 167, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 167, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 167, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 167, 248);  
box-shadow:4px 4px 4px 4px rgb(179, 167,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3524, 43.9984, 94.6983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 167, 248) }
```

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

```
.background{ background-color: rgb(179,  
167, 248) }
```

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