

Converting Colors

XYZ(48.8964, 44.0242, 95.4065)

Have a look what the booklet for
XYZ(48.8964, 44.0242, 95.4065)
contains.

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Color

**XYZ(49.0060, 44.0749,
95.5469)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A8F9
RGB	176, 168, 249
RGB Percent	69%, 66%, 98%
CMY	0.3098, 0.3412, 0.0235
CMYK	0.29, 0.33, 0.00, 0.02
HSL	246°, 87%, 82%
HSV	246°, 33%, 98%
XYZ	49.0060, 44.0749, 95.5469
YIQ	179.6260, -21.2330, 26.8870

Conversions

Conversions Part 2

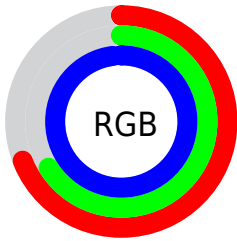
Format	Color
RYB	176, 168, 249
Decimal	11577593
CIELab	72.28, 20.42, -39.27
CIELCh	72, 44.265, 297.477
Yxy	44.0749, 0.2598, 0.2337
Android (android.graphics.Color)	4289767673 (0xFFB0A8F9)
YUV	179.6260, 34.2014, -3.1800
Hunter-Lab	66.3889, 15.5819, -38.8579

Details

The XYZ color **49.0060, 44.0749, 95.5469** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.2201, 89.2801, 50.2103**, and the grayscale version is **43.0142, 45.2543, 49.2819**.

A 20% lighter version of the original color is **78.0419, 77.3190, 105.4185**, and **23.6450, 20.3615, 52.5531** is the 20% darker color. If you saturate the color by 10%, you get **40.1803, 33.3427, 93.9413**, and if you desaturate by 10%, it is **59.5536, 57.0031, 97.4871**.

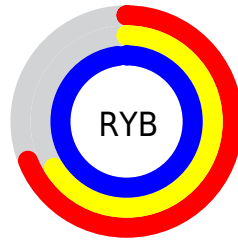
Distribution



Red (69%)

Green (66%)

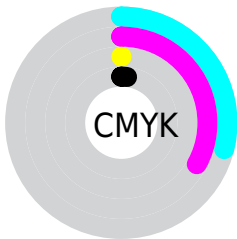
Blue (98%)



Red (69%)

Yellow (66%)

Blue (98%)

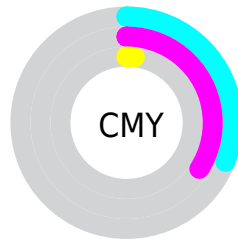


Cyan (29%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (31%)

Magenta (34%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0060, 44.0749, 95.5469 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 49.0060, 44.0749, 95.5469 by changing the saturation by 10% instead.

■ 49.0060, 44.0749,
95.5469

■ 49.0060, 44.0749,
95.5469

373.2825,
363.0138, 566.9433

■ 34.8388, 30.7294,
71.9908

■ 87.9010, 81.3304,
157.0220

■ 23.7047, 20.3929,
52.6644

■ 113.3596,
106.0093, 195.7782

■ 15.2382, 12.6810,
37.1490

143.3126,
135.2346, 240.4381

■ 9.0742, 7.2092,
25.0262

178.1255,
169.3910, 291.4204

■ 4.8471, 3.5933,
15.8774

218.1635,
208.8627, 349.1435

■ 2.1916, 1.4488,
9.2840

263.7922,

■ 0.7383, 0.2522,

254.0341, 414.0260

4.8276

315.3767,
305.2897, 486.4864

■ 0.0000, 0.0000,
2.0895

■ 0.0000, 0.0000,
0.6095

■ 49.0060, 44.0749,
95.5469

■ 49.0060, 44.0749,
95.5469

■ 40.1803, 33.3427,
93.9413

■ 59.5536, 57.0031,
97.4871

■ 32.9804, 24.6794,
92.6486

■ 71.9033, 72.2347,
99.7762

■ 27.3076, 17.9527,
91.6492

■ 86.1356, 89.8762,
102.4313

■ 23.0505, 13.0126,
90.9201

■ 94.0990, 99.6196,
103.8922

■ 20.0826, 9.6874,
90.4347

■ 18.2541, 7.7709,
90.1611

■ 17.4900, 7.0412,
90.0605

Harmonies

Analogous

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



41.2516, 44.0749, 103.1509



49.0060, 44.0749, 95.5469



55.4678, 44.0749, 74.2047

Triad

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



49.0060, 44.0749, 95.5469



50.2540, 44.0749, 20.6354



28.9177, 44.0749, 46.1704

Complementary

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



49.0060, 44.0749, 95.5469



77.2201, 89.2801, 50.2103

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.



30.7342, 44.0749, 28.8152



49.0060, 44.0749, 95.5469



42.5387, 44.0749, 17.1365

Square

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



49.0060, 44.0749, 95.5469



56.2475, 44.0749, 31.1476



35.5019, 44.0749, 19.6031



30.2137, 44.0749, 70.0172

Rectangle

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



49.0060, 44.0749, 95.5469



57.8463, 44.0749, 57.6535



35.5019, 44.0749, 19.6031



29.1791, 44.0749, 39.4717

Sweetspot

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



49.0075, 44.0766, 95.5479



79.4926, 80.6946, 105.9937



65.0751, 78.8187, 101.4070



16.5816, 16.7360, 22.6064



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.



49.0075, 44.0766, 95.5479



45.4578, 38.8855, 99.7175



59.2006, 49.3314, 96.0250



16.4420, 16.7250, 21.7470



9.4143, 3.7959, 48.2101



0.9234, 0.3781, 4.4675

Inverse Universe

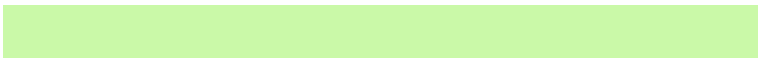
The Inverse Universe completely reimagines the original color for something new.



68.9478, 54.4973, 90.1049



69.5616, 51.4896, 92.8005



65.2343, 83.1012, 49.6494



17.9148, 17.4933, 21.4070



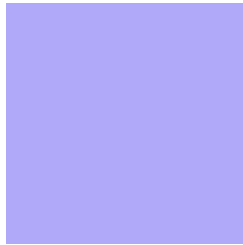
28.1735, 13.6851, 39.2177



2.6301, 1.2758, 3.7416

Previews

White Background



This preview shows how the XYZ color 49.0060, 44.0749, 95.5469 looks on a white background.

Color Contrast Check

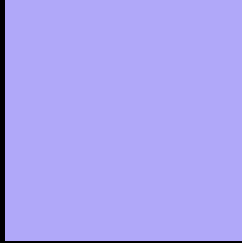
Large Text (above 18pt) WCAG AA × Fail

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 49.0060, 44.0749, 95.5469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

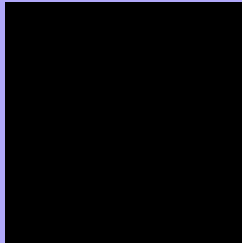
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0060, 44.0749, 95.5469

Background



This preview shows how black text looks on a background with the XYZ color 49.0060, 44.0749, 95.5469.



This preview shows how white text looks on a background with the XYZ color 49.0060, 44.0749,

95.5469.

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

49.0060, 44.0749, 95.5469

Protanopia

45.9743, 44.1033, 99.8556

Deuteranopia

45.4101, 44.2096, 94.9469



Tritanopia

41.2628, 44.0898, 56.7875

Trichromacy



Original Color

49.0060, 44.0749, 95.5469

Protanomaly

47.0212, 44.1104, 98.1313

Deuteranomaly

46.3937, 43.8594, 94.8274

Tritanomaly

43.7024, 43.8991, 69.1208

Monochromacy



Original Color

49.0060, 44.0749, 95.5469

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.1352, 45.0422, 64.0727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0060, 44.0749, 95.5469 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(176, 168, 249)` looks like.

```
.text, #text, p{  
    color:rgb(176, 168, 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(176, 168, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 168, 249) }
```

Border

The CSS property to change the border of an element to XYZ 49.0060, 44.0749, 95.5469 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(176, 168, 249) }
```


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

```
.border{ border-color:rgb(176, 168, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 168, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 168, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 168, 249); box-shadow:4px 4px 4px 4px rgb(176, 168, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0060, 44.0749, 95.5469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 168, 249) }
```

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

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