

Converting Colors

XYZ(51.9616, 48.8991, 99.9373)

Have a look what the booklet for
XYZ(51.9616, 48.8991, 99.9373)
contains.

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Color

**XYZ(51.9554, 48.9645,
99.6413)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B4FD
RGB	176, 180, 253
RGB Percent	69%, 71%, 99%
CMY	0.3098, 0.2941, 0.0078
CMYK	0.30, 0.29, 0.00, 0.01
HSL	237°, 95%, 84%
HSV	237°, 30%, 99%
XYZ	51.9554, 48.9645, 99.6413
YIQ	187.1260, -25.8170, 21.8550

Conversions

Conversions Part 2

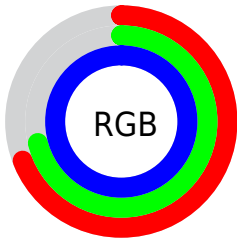
Format	Color
R_{YB}	176, 180, 253
Decimal	11580669
CIE _{Lab}	75.43, 14.73, -36.54
CIE _{LCh}	75, 39.394, 291.958
Yxy	48.9645, 0.2591, 0.2441
Android (android.graphics.Color)	4289770749 (0xFFB0B4FD)
YUV	187.1260, 32.4759, -9.7575
Hunter-Lab	69.9746, 10.0787, -35.4445

Details

The XYZ color **51.9554, 48.9645, 99.6413** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.2212, 91.7696, 54.4559**, and the grayscale version is **47.1395, 49.5945, 54.0084**.

A 20% lighter version of the original color is **81.6497, 84.5345, 106.6211**, and **25.4383, 23.2292, 55.3675** is the 20% darker color. If you saturate the color by 10%, you get **42.3288, 37.4258, 97.9223**, and if you desaturate by 10%, it is **63.4892, 62.7322, 101.6917**.

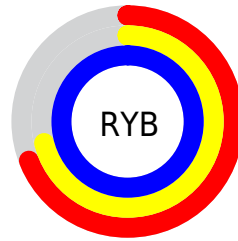
Distribution



Red (69%)

Green (71%)

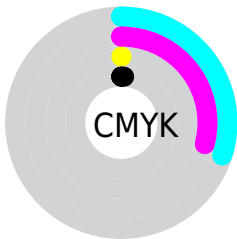
Blue (99%)



Red (69%)

Yellow (71%)

Blue (99%)

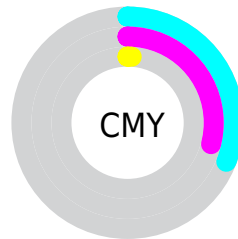


Cyan (30%)

Magenta (29%)

Yellow (0%)

Black (1%)



Cyan (31%)

Magenta (29%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9554, 48.9645, 99.6413 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 51.9554, 48.9645, 99.6413 by changing the saturation by 10% instead.

■ 51.9554, 48.9645,
99.6413

■ 51.9554, 48.9645,
99.6413

384.5912,
382.6025, 580.2789

■ 37.1937, 34.5913,
75.3858

■ 92.2401, 88.6387,
162.7117

■ 25.5318, 23.3482,
55.4254

118.4937,
114.7086, 202.3637

■ 16.6046, 14.8509,
39.3415

149.3087,
145.4461, 247.9850

■ 10.0465, 8.7148,
26.7156

185.0504,
181.2357, 299.9940

■ 5.4923, 4.5556,
17.1292

226.0841,
222.4617, 358.8094

■ 2.5766, 1.9890,
10.1637

272.7753,

■ 0.9340, 0.6011,

269.5086, 424.8496

5.4006

325.4892,
322.7607, 498.5333

■ 0.0000, 0.0000,
2.4214

■ 0.0000, 0.0000,
0.7980

■ 51.9554, 48.9645,
99.6413

■ 51.9554, 48.9645,
99.6413

■ 42.3288, 37.4258,
97.9223

■ 63.4892, 62.7322,
101.6917

■ 34.5019, 27.9935,
96.5143

■ 77.0200, 78.8315,
104.0860

■ 28.3642, 20.5420,
95.3995

■ 92.6380, 97.3656,
106.8403

■ 23.7911, 14.9299,
94.5572

94.7298, 99.8719,
107.2138

■ 20.6406, 10.9970,
93.9642

■ 18.7449, 8.5558,
93.5929

■ 17.8756, 7.3835,
93.4124

Harmonies

Analogous

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



44.6138, 48.9645, 103.4926



51.9554, 48.9645, 99.6413



58.4189, 48.9645, 81.9338

Triad

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



51.9554, 48.9645, 99.6413



55.6807, 48.9645, 27.6241



34.0427, 48.9645, 47.9151

Complementary

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



51.9554, 48.9645, 99.6413



82.2212, 91.7696, 54.4559

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.



36.3904, 48.9645, 32.2810



51.9554, 48.9645, 99.6413



48.5194, 48.9645, 22.7222

Square

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



51.9554, 48.9645, 99.6413



60.7206, 48.9645, 39.7214



41.5133, 48.9645, 24.1713



34.7581, 48.9645, 69.6999

Rectangle

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



51.9554, 48.9645, 99.6413



61.1108, 48.9645, 66.6767



41.5133, 48.9645, 24.1713



34.4904, 48.9645, 41.8677

Sweetspot

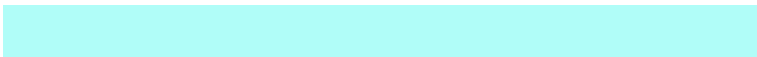
The Sweet Spot groups the original color and five complimentary colors.



51.9571, 48.9664, 99.6424



80.5525, 82.7993, 106.3440



69.9537, 86.2509, 101.6607



16.7751, 17.1683, 22.6796



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.



51.9571, 48.9664, 99.6424



46.2323, 41.8704, 100.2528



59.6549, 51.7532, 99.7746



17.0787, 17.5290, 22.7332



9.5394, 3.9883, 49.7016



0.9543, 0.4392, 4.8478

Inverse Universe

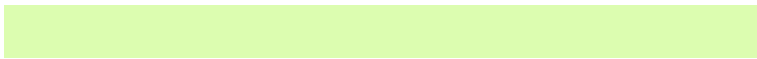
The Inverse Universe completely reimagines the original color for something new.



64.2730, 55.2303, 50.4549



60.7656, 49.3643, 42.1867



72.3674, 88.5448, 54.3528



18.0476, 18.0024, 18.8679



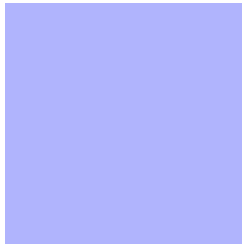
21.6032, 11.1306, 1.2951



2.1163, 1.0889, 0.1937

Previews

White Background



This preview shows how the XYZ color 51.9554, 48.9645, 99.6413 looks on a white background.

Color Contrast Check

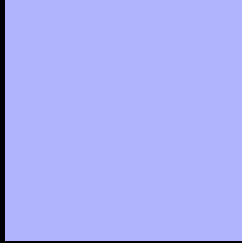
Large Text (above 18pt) WCAG AA × Fail

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 51.9554, 48.9645, 99.6413 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 51.9554, 48.9645, 99.6413

Background



This preview shows how black text looks on a background with the XYZ color 51.9554, 48.9645, 99.6413.



This preview shows how white text looks on a background with the XYZ color 51.9554, 48.9645,

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

51.9554, 48.9645, 99.6413

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

50.2301, 49.0022, 98.9064



Tritanopia

44.8226, 48.8618, 64.1956

Trichromacy



Original Color

51.9554, 48.9645, 99.6413

Protanomaly

50.7658, 48.9365, 100.5360

Deuteranomaly

50.8762, 49.0302, 98.8778

Tritanomaly

47.3213, 48.9378, 76.0591

Monochromacy



Original Color

51.9554, 48.9645, 99.6413

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.4268, 49.0514, 68.5435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9554, 48.9645, 99.6413 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, 180, 253)` looks like.

```
.text, #text, p{  
    color:rgb(176, 180, 253)  
}
```

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, 180, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 180, 253) }
```

Border

The CSS property to change the border of an element to XYZ 51.9554, 48.9645, 99.6413 is called "border". The border property can be set on classes, ids or directly on the HTML element.

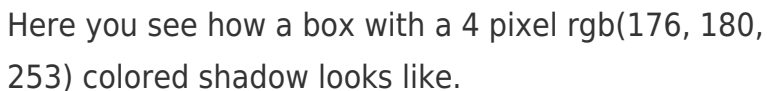
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 180, 253) }
```


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

```
.border{ border-color:rgb(176, 180, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 180, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 180, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 180, 253);  
box-shadow:4px 4px 4px 4px rgb(176, 180,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9554, 48.9645, 99.6413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 180, 253) }
```

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

```
.background{ background-color: rgb(176,  
180, 253) }
```

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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