

Converting Colors

XYZ(51.6010, 48.4086,
107.0009)

Have a look what the booklet for
XYZ(51.6010, 48.4086, 107.0009)
contains.

XYZ(50.5323, 47.8952, 101.1891)	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(50.5323, 47.8952,
101.1891)**

Conversions

Conversions Part 1

Format	Color
Hex	A9B3FF
RGB	169, 179, 255
RGB Percent	66%, 70%, 100%
CMY	0.3372, 0.2980, 0.0000
CMYK	0.34, 0.30, 0.00, 0.00
HSL	233°, 100%, 83%
HSV	233°, 34%, 100%
XYZ	50.5323, 47.8952, 101.1891
YIQ	184.6740, -30.3560, 21.5160

Conversions

Conversions Part 2

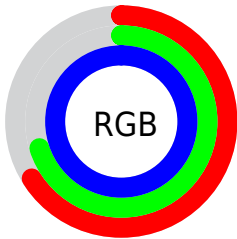
Format	Color
R_{YB}	169, 178, 255
Decimal	11121663
CIE _{Lab}	74.76, 13.85, -38.69
CIE _{LCh}	75, 41.098, 289.698
Yxy	47.8952, 0.2531, 0.2399
Android (android.graphics.Color)	4289311743 (0xFFA9B3FF)
YUV	184.6740, 34.6707, -13.7461
Hunter-Lab	69.2064, 9.2239, -38.2456

Details

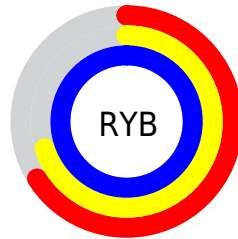
The XYZ color **50.5323, 47.8952, 101.1891** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **81.0544, 89.4299, 50.5277**, and the grayscale version is **45.7601, 48.1432, 52.4280**.

A 20% lighter version of the original color is **79.1224, 82.8054, 106.4206**, and **24.5933, 22.5763, 56.4875** is the 20% darker color. If you saturate the color by 10%, you get **41.4324, 37.0391, 99.5733**, and if you desaturate by 10%, it is **61.4400, 60.7808, 103.1014**.

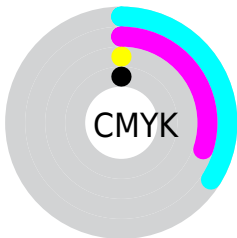
Distribution



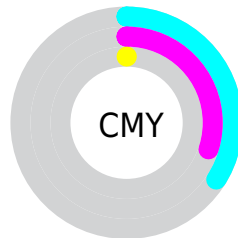
- Red (66%)
- Green (70%)
- Blue (100%)



- Red (66%)
- Yellow (70%)
- Blue (100%)



- Cyan (34%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5323, 47.8952, 101.1891 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 50.5323, 47.8952, 101.1891 by changing the saturation by 10% instead.

■ 50.5323, 47.8952,
101.1891

■ 50.5323, 47.8952,
101.1891

379.1616,
378.3766, 585.2776

■ 36.0561, 33.7439,
76.6716

■ 90.1502, 87.0483,
164.8564

■ 24.6478, 22.6969,
56.4734

116.0225,
112.8190, 204.8433

■ 15.9422, 14.3699,
40.1761

146.4243,
143.2315, 250.8237

■ 9.5738, 8.3784,
27.3610

181.7208,
178.6704, 303.2162

■ 5.1774, 4.3380,
17.6097

222.2774,
219.5199, 362.4393

■ 2.3876, 1.8644,
10.5036

268.4595,

■ 0.8389, 0.5268,

266.1645, 428.9115

5.6242

320.6325,
318.9886, 503.0514

■ 0.0000, 0.0000,
2.5529

■ 0.0000, 0.0000,
0.8680

■ 50.5323, 47.8952,
101.1891

■ 50.5323, 47.8952,
101.1891

■ 41.4324, 37.0391,
99.5733

■ 61.4400, 60.7808,
103.1014

■ 34.0376, 28.1036,
98.2383

■ 74.2417, 75.7869,
105.3231

■ 28.2422, 20.9774,
97.1683

■ 89.0233, 93.0053,
107.8675

■ 23.9260, 15.5355,
96.3454

■ 95.0500, 100.0000,
108.9000

■ 20.9521, 11.6368,
95.7496

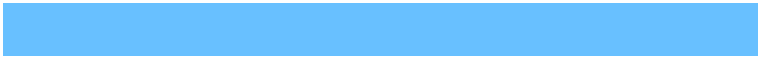
■ 19.1568, 9.1162,
95.3577

■ 18.5055, 8.1310,
95.2018

Harmonies

Analogous

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



43.0051, 47.8952, 103.9237



50.5323, 47.8952, 101.1891



57.3651, 47.8952, 83.4976

Triad

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



50.5323, 47.8952, 101.1891



55.4479, 47.8952, 26.6704



32.8157, 47.8952, 45.1414

Complementary

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



50.5323, 47.8952, 101.1891



81.0544, 89.4299, 50.5277

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.



35.4342, 47.8952, 29.8317



50.5323, 47.8952, 101.1891



48.1372, 47.8952, 21.2691

Square

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



50.5323, 47.8952, 101.1891



60.4108, 47.8952, 39.4895



40.8561, 47.8952, 22.2418



33.3072, 47.8952, 67.2622

Rectangle

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



50.5323, 47.8952, 101.1891



60.3484, 47.8952, 67.7449



40.8561, 47.8952, 22.2418



33.3491, 47.8952, 39.1529

Sweetspot

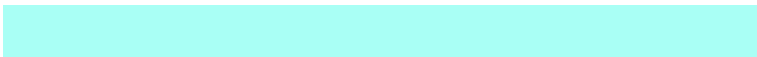
The Sweet Spot groups the original color and five complimentary colors.



50.5338, 47.8970, 101.1894



79.5106, 81.9358, 106.2323



68.5994, 86.5460, 99.4494



16.5860, 17.0332, 22.6635



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.



50.5338, 47.8970, 101.1894



44.6168, 40.8522, 100.1414



56.5875, 48.1497, 100.9191



17.1731, 17.7177, 22.7647



9.7230, 4.3556, 49.7628



0.9988, 0.5282, 4.8626

Inverse Universe

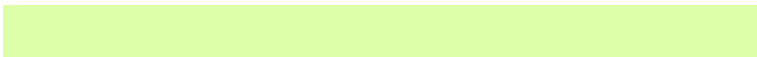
The Inverse Universe completely reimagines the original color for something new.



63.5657, 52.8922, 49.5085



59.4100, 46.7540, 41.4238



73.0567, 89.9198, 51.0438



18.0953, 18.0214, 19.1188



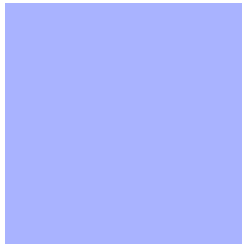
21.6959, 11.1677, 1.7832



2.1387, 1.0979, 0.3120

Previews

White Background



This preview shows how the XYZ color 50.5323, 47.8952, 101.1891 looks on a white background.

Color Contrast Check

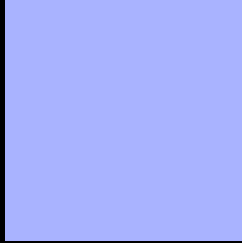
Large Text (above 18pt) WCAG AA × Fail

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 50.5323, 47.8952, 101.1891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

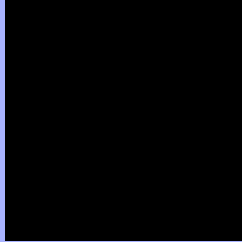
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5323, 47.8952, 101.1891

Background



This preview shows how black text looks on a background with the XYZ color 50.5323, 47.8952, 101.1891.



This preview shows how white text looks on a background with the XYZ color 50.5323, 47.8952,

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

50.5323, 47.8952, 101.1891

Protanopia

49.2718, 47.8448, 101.2458

Deuteranopia

48.9105, 47.6771, 100.3907



Tritanopia

43.1972, 48.0239, 64.1195

Trichromacy



Original Color

50.5323, 47.8952, 101.1891

Protanomaly

49.6811, 47.7550, 101.2069

Deuteranomaly

49.3149, 47.5848, 100.3515

Tritanomaly

45.5685, 47.7070, 76.6187

Monochromacy



Original Color

50.5323, 47.8952, 101.1891

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1568, 48.1038, 67.7723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5323, 47.8952, 101.1891 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(169, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 179, 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(169, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 179, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.5323, 47.8952, 101.1891 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(169, 179, 255) }
```


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

```
.border{ border-color:rgb(169, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 179,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5323, 47.8952, 101.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 179, 255) }
```

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

```
.background{ background-color: rgb(169,  
179, 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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