

Converting Colors

XYZ(49.5747, 44.9866,
116.9898)

Have a look what the booklet for
XYZ(49.5747, 44.9866, 116.9898)
contains.

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Color

**XYZ(46.5128, 43.7930,
100.6091)**

Conversions

Conversions Part 1

Format	Color
Hex	9CACFF
RGB	156, 172, 255
RGB Percent	61%, 67%, 100%
CMY	0.3882, 0.3255, 0.0000
CMYK	0.39, 0.33, 0.00, 0.00
HSL	230°, 100%, 81%
HSV	230°, 39%, 100%
XYZ	46.5128, 43.7930, 100.6091
YIQ	176.6780, -36.1790, 22.4210

Conversions

Conversions Part 2

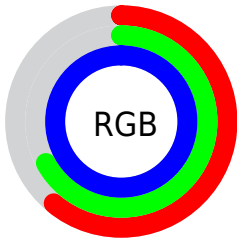
Format	Color
RYB	156, 170, 255
Decimal	10267903
CIELab	72.09, 14.32, -42.92
CIELCh	72, 45.246, 288.449
Yxy	43.7930, 0.2436, 0.2294
Android (android.graphics.Color)	4288457983 (0xFF9CACFF)
YUV	176.6780, 38.6127, -18.1346
Hunter-Lab	66.1763, 9.6524, -43.8164

Details

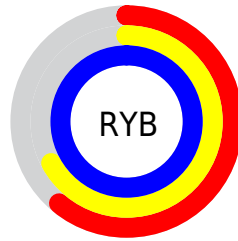
The XYZ color **46.5128, 43.7930, 100.6091** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.1079, 85.3940, 43.8203**, and the grayscale version is **41.4401, 43.5982, 47.4785**.

A 20% lighter version of the original color is **72.9597, 76.3043, 105.4906**, and **22.1650, 20.2195, 56.1606** is the 20% darker color. If you saturate the color by 10%, you get **38.3397, 34.0183, 99.1532**, and if you desaturate by 10%, it is **56.3790, 55.4139, 102.3322**.

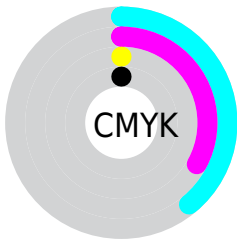
Distribution



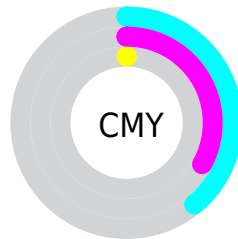
- Red (61%)
- Green (67%)
- Blue (100%)



- Red (61%)
- Yellow (67%)
- Blue (100%)



- Cyan (39%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5128, 43.7930, 100.6091 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 46.5128, 43.7930, 100.6091 by changing the saturation by 10% instead.

■ 46.5128, 43.7930,
100.6091

■ 46.5128, 43.7930,
100.6091

363.5479,
361.8629, 583.4071

■ 32.8570, 30.5078,
76.1896

■ 84.2091, 80.9062,
164.0531

■ 22.1756, 20.2243,
56.0804

■ 108.9803,
105.5029, 203.9148

■ 14.1033, 12.5582,
39.8630

138.1874,
134.6390, 249.7609

■ 8.2748, 7.1251,
27.1187

172.1957,
168.6988, 302.0099

■ 4.3245, 3.5404,
17.4292

211.3705,
208.0667, 361.0806

■ 1.8873, 1.4200,
10.3758

256.0773,

■ 0.5695, 0.2314,

253.1271, 427.3913

5.5400

306.6813,
304.2643, 501.3606

■ 0.0000, 0.0000,
2.5032

■ 0.0000, 0.0000,
0.8419

■ 46.5128, 43.7930,
100.6091

■ 46.5128, 43.7930,
100.6091

■ 38.3397, 34.0183,
99.1532

■ 56.3790, 55.4139,
102.3322

■ 31.7588, 25.9888,
97.9502

■ 68.0229, 68.9652,
104.3342

■ 26.6650, 19.6010,
96.9857

■ 81.5283, 84.5317,
106.6270

■ 22.9384, 14.7381,
96.2435

95.0500, 100.0000,
108.9000

■ 20.4393, 11.2671,
95.7052

■ 18.9783, 9.0207,
95.3486

■ 18.8503, 8.8205,
95.3168

Harmonies

Analogous

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



38.7149, 43.7930, 102.8082



46.5128, 43.7930, 100.6091



53.7824, 43.7930, 81.9028

Triad

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



46.5128, 43.7930, 100.6091



52.2944, 43.7930, 22.3727



28.6809, 43.7930, 39.6488

Complementary

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



46.5128, 43.7930, 100.6091



78.1079, 85.3940, 43.8203

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.



31.4516, 43.7930, 24.6343



46.5128, 43.7930, 100.6091



44.6752, 43.7930, 16.9314

Square

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



46.5128, 43.7930, 100.6091



57.3951, 43.7930, 35.4283



37.0902, 43.7930, 17.6056



29.0440, 43.7930, 62.4809

Rectangle

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



46.5128, 43.7930, 100.6091



57.0545, 43.7930, 65.1125



37.0902, 43.7930, 17.6056



29.2612, 43.7930, 33.6797

Sweetspot

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



46.5142, 43.7946, 100.6094



77.0296, 79.3612, 105.8661



64.9774, 84.7909, 94.2167



16.1037, 16.5447, 22.5946



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.



46.5142, 43.7946, 100.6094



39.7073, 35.6664, 99.3992



50.9261, 41.8175, 99.9952



17.2401, 17.8518, 22.7870



9.9191, 4.7478, 49.8282



1.0301, 0.5910, 4.8730

Inverse Universe

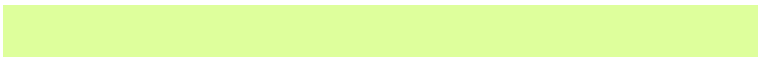
The Inverse Universe completely reimagines the original color for something new.



60.5759, 48.0170, 45.1068



55.8010, 40.9803, 35.7681



71.8857, 89.4503, 44.9312



18.1291, 18.0349, 19.2969



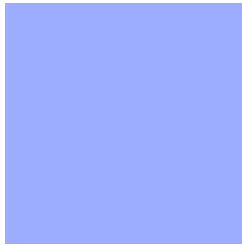
21.7949, 11.2073, 2.3045



2.1546, 1.1042, 0.3954

Previews

White Background



This preview shows how the XYZ color 46.5128, 43.7930, 100.6091 looks on a white background.

Color Contrast Check

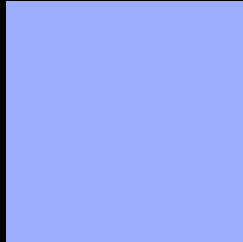
Large Text (above 18pt) WCAG AA × Fail

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 46.5128, 43.7930, 100.6091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

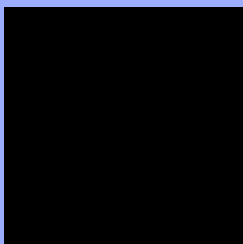
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5128, 43.7930, 100.6091

Background



This preview shows how black text looks on a background with the XYZ color 46.5128, 43.7930, 100.6091.



This preview shows how white text looks on a background with the XYZ color 46.5128, 43.7930,

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

46.5128, 43.7930, 100.6091

Protanopia

45.7637, 43.9761, 100.6840

Deuteranopia

45.0734, 43.9267, 99.8690



Tritanopia

38.2819, 43.6950, 59.8424

Trichromacy



Original Color

46.5128, 43.7930, 100.6091

Protanomaly

45.9425, 43.7825, 100.6372

Deuteranomaly

45.6031, 43.9119, 99.8382

Tritanomaly

40.9389, 43.5577, 73.2676

Monochromacy



Original Color

46.5128, 43.7930, 100.6091

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.7116, 43.5027, 63.9033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5128, 43.7930, 100.6091 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(156, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 172, 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(156, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.5128, 43.7930, 100.6091 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(156, 172, 255) }
```


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

```
.border{ border-color:rgb(156, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5128, 43.7930, 100.6091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 172, 255) }
```

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

```
.background{ background-color: rgb(156,  
172, 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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