

Converting Colors

XYZ(46.4281, 44.4747,
100.7452)

Have a look what the booklet for
XYZ(46.4281, 44.4747, 100.7452)
contains.

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Color

**XYZ(46.5168, 44.6522,
100.7748)**

Conversions

Conversions Part 1

Format	Color
Hex	99AFFF
RGB	153, 175, 255
RGB Percent	60%, 69%, 100%
CMY	0.4000, 0.3137, 0.0000
CMYK	0.40, 0.31, 0.00, 0.00
HSL	227°, 100%, 80%
HSV	227°, 40%, 100%
XYZ	46.5168, 44.6522, 100.7748
YIQ	177.5420, -38.7920, 20.2160

Conversions

Conversions Part 2

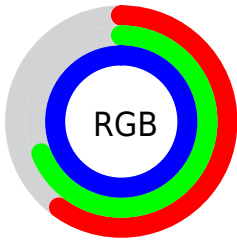
Format	Color
R _Y B	153, 171, 255
Decimal	10072063
CIE Lab	72.66, 11.86, -42.04
CIE LCh	73, 43.683, 285.758
Yxy	44.6522, 0.2423, 0.2326
Android (android.graphics.Color)	4288262143 (0xFF99AFFF)
YUV	177.5420, 38.1868, -21.5233
Hunter-Lab	66.8223, 7.3196, -42.6397

Details

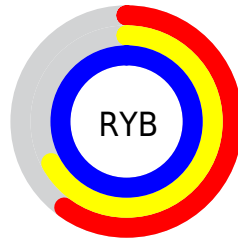
The XYZ color **46.5168, 44.6522, 100.7748** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.1295, 81.8387, 41.9229**, and the grayscale version is **41.8961, 44.0779, 48.0009**.

A 20% lighter version of the original color is **72.9252, 77.5153, 105.7261**, and **22.2058, 20.7845, 56.2675** is the 20% darker color. If you saturate the color by 10%, you get **38.5995, 35.2145, 99.3704**, and if you desaturate by 10%, it is **56.0418, 55.7763, 102.4199**.

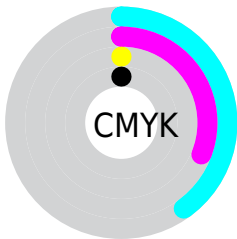
Distribution



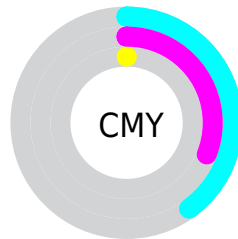
- Red (60%)
- Green (69%)
- Blue (100%)



- Red (60%)
- Yellow (67%)
- Blue (100%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5168, 44.6522, 100.7748 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 46.5168, 44.6522, 100.7748 by changing the saturation by 10% instead.

■ 46.5168, 44.6522,
100.7748

■ 46.5168, 44.6522,
100.7748

363.5637,
365.3631, 583.9418

■ 32.8602, 31.1836,
76.3273

■ 84.2150, 82.1983,
164.2827

■ 22.1781, 20.7387,
56.1927

■ 108.9874,
107.0445, 204.1801

■ 14.1051, 12.9331,
39.9524

138.1957,
136.4520, 250.0646

■ 8.2760, 7.3825,
27.1879

172.2052,
170.8052, 302.3547

■ 4.3254, 3.7024,
17.4807

211.3815,
210.4886, 361.4689

■ 1.8878, 1.5085,
10.4122

256.0897,

■ 0.5697, 0.2947,

255.8864, 427.8258

5.5640

306.6953,
307.3831, 501.8439

■ 0.0000, 0.0000,
2.5174

■ 0.0000, 0.0000,
0.8493

■ 46.5168, 44.6522,
100.7748

■ 46.5168, 44.6522,
100.7748

■ 38.5995, 35.2145,
99.3704

■ 56.0418, 55.7763,
102.4199

■ 32.1943, 27.3737,
98.1946

■ 67.2543, 68.6605,
104.3159

■ 27.2017, 21.0393,
97.2350

■ 80.2335, 83.3796,
106.4729

■ 23.5079, 16.1088,
96.4780

95.0500, 100.0000,
108.9000

■ 20.9797, 12.4656,
95.9081

■ 19.4163, 9.9526,
95.5054

■ 19.4161, 9.9523,
95.5054

Harmonies

Analogous

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



38.9599, 44.6522, 101.2394



46.5168, 44.6522, 100.7748



53.7435, 44.6522, 83.8809

Triad

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



46.5168, 44.6522, 100.7748



53.4255, 44.6522, 24.4551



29.8397, 44.6522, 39.0687

Complementary

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



46.5168, 44.6522, 100.7748



76.1295, 81.8387, 41.9229

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.



32.8451, 44.6522, 24.9515



46.5168, 44.6522, 100.7748



46.1226, 44.6522, 18.3765

Square

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



46.5168, 44.6522, 100.7748



58.0442, 44.6522, 38.1553



38.6097, 44.6522, 18.5261



29.9186, 44.6522, 60.8388

Rectangle

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



46.5168, 44.6522, 100.7748



57.1416, 44.6522, 67.8184



38.6097, 44.6522, 18.5261



30.5056, 44.6522, 33.4347

Sweetspot

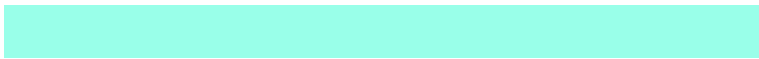
The Sweet Spot groups the original color and five complimentary colors.



46.5182, 44.6538, 100.7750



77.4905, 80.2830, 106.0197



63.5915, 84.1703, 89.9115



16.2114, 16.7601, 22.6305



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.



46.5182, 44.6538, 100.7750



40.0579, 36.9701, 99.6324



48.7105, 39.9372, 99.7491



17.3205, 18.0127, 22.8139



10.2331, 5.3758, 49.9329



1.0720, 0.6747, 4.8870

Inverse Universe

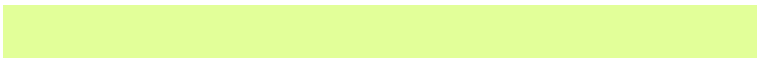
The Inverse Universe completely reimagines the original color for something new.



60.3701, 47.1391, 46.4758



55.8308, 40.4289, 37.6616



72.9059, 90.0052, 43.6691



18.1697, 18.0512, 19.5107



21.9534, 11.2706, 3.1391



2.1757, 1.1127, 0.5067

Previews

White Background



This preview shows how the XYZ color 46.5168, 44.6522, 100.7748 looks on a white background.

Color Contrast Check

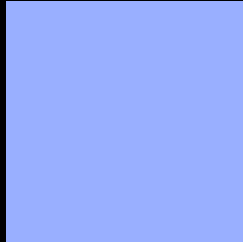
Large Text (above 18pt) WCAG AA × Fail

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 46.5168, 44.6522, 100.7748 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 46.5168, 44.6522, 100.7748

Background



This preview shows how black text looks on a background with the XYZ color 46.5168, 44.6522, 100.7748.



This preview shows how white text looks on a background with the XYZ color 46.5168, 44.6522,

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

46.5168, 44.6522, 100.7748

Protanopia

46.3289, 44.5553, 100.7660

Deuteranopia

45.7881, 44.5666, 100.7967



Tritanopia

38.7490, 44.8238, 61.8679

Trichromacy



Original Color

46.5168, 44.6522, 100.7748

Protanomaly

46.3289, 44.5553, 100.7660

Deuteranomaly

46.1530, 44.7547, 100.8137

Tritanomaly

41.2807, 44.6056, 74.8406

Monochromacy



Original Color

46.5168, 44.6522, 100.7748

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.2249, 44.3355, 64.6719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5168, 44.6522, 100.7748 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(153, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 175, 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(153, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.5168, 44.6522, 100.7748 is called "border". The border property can be set on classes, ids or directly on the HTML element.

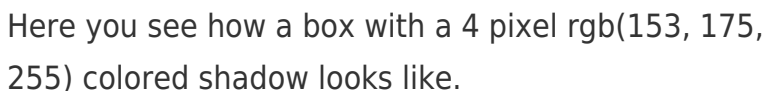
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 175, 255) }
```


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

```
.border{ border-color:rgb(153, 175, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5168, 44.6522, 100.7748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 175, 255) }
```

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

```
.background{ background-color: rgb(153,  
175, 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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