

Converting Colors

XYZ(46.1581, 42.5040,
100.3790)

Have a look what the booklet for
XYZ(46.1581, 42.5040, 100.3790)
contains.

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Color

**XYZ(46.1532, 42.4944,
100.3774)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA8FF
RGB	158, 168, 255
RGB Percent	62%, 66%, 100%
CMY	0.3804, 0.3412, 0.0000
CMYK	0.38, 0.34, 0.00, 0.00
HSL	234°, 100%, 81%
HSV	234°, 38%, 100%
XYZ	46.1532, 42.4944, 100.3774
YIQ	174.9280, -33.8870, 24.9370

Conversions

Conversions Part 2

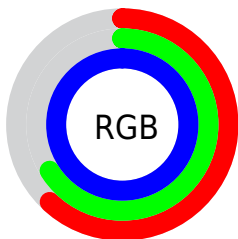
Format	Color
RYB	158, 167, 255
Decimal	10397951
CIELab	71.21, 17.09, -44.29
CIElCh	71, 47.471, 291.103
Yxy	42.4944, 0.2442, 0.2248
Android (android.graphics.Color)	4288588031 (0xFF9EA8FF)
YUV	174.9280, 39.4755, -14.8459
Hunter-Lab	65.1877, 12.3003, -45.6645

Details

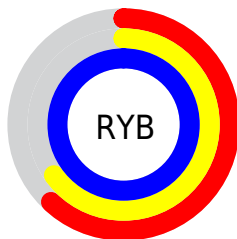
The XYZ color **46.1532, 42.4944, 100.3774** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.0647, 89.0343, 45.3152**, and the grayscale version is **40.5265, 42.6371, 46.4317**.

A 20% lighter version of the original color is **72.4620, 74.4424, 105.1574**, and **21.9179, 19.3928, 56.0141** is the 20% darker color. If you saturate the color by 10%, you get **37.7903, 32.4574, 98.8809**, and if you desaturate by 10%, it is **56.3020, 54.5561, 102.1707**.

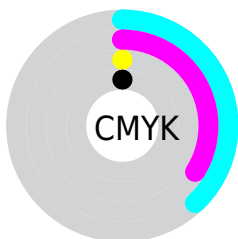
Distribution



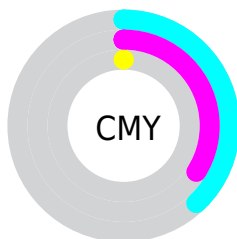
- Red (62%)
- Green (66%)
- Blue (100%)



- Red (62%)
- Yellow (65%)
- Blue (100%)



- Cyan (38%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1532, 42.4944, 100.3774 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 46.1532, 42.4944, 100.3774 by changing the saturation by 10% instead.

■ 46.1532, 42.4944,
100.3774

■ 46.1532, 42.4944,
100.3774

362.1298,
356.5283, 582.6590

■ 32.5719, 29.4886,
75.9971

■ 83.6747, 78.9473,
163.7321

■ 21.9563, 19.4508,
55.9235

■ 108.3456,
103.1633, 203.5436

■ 13.9412, 11.9964,
39.7380

137.4436,
131.8847, 249.3360

■ 8.1612, 6.7413,
27.0221

171.3343,
165.4961, 301.5277

■ 4.2510, 3.3008,
17.3572

210.3829,
204.3817, 360.5373

■ 1.8451, 1.2907,
10.3249

254.9548,

■ 0.5446, 0.1340,

248.9260, 426.7834

5.5065

305.4153,
299.5134, 500.6844

■ 0.0000, 0.0000,
2.4835

■ 0.0000, 0.0000,
0.8314

■ 46.1532, 42.4944,
100.3774

■ 46.1532, 42.4944,
100.3774

■ 37.7903, 32.4574,
98.8809

■ 56.3020, 54.5561,
102.1707

■ 31.1055, 24.3292,
97.6643

■ 68.3280, 68.7405,
104.2747

■ 25.9855, 17.9893,
96.7104

■ 82.3209, 85.1448,
106.7035

■ 22.3014, 13.3014,
95.9998

95.0500, 100.0000,
108.9000

■ 19.9030, 10.1092,
95.5100

■ 18.5968, 8.2206,
95.2143

■ 18.4258, 7.9715,
95.1753

Harmonies

Analogous

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



38.0690, 42.4944, 104.4734



46.1532, 42.4944, 100.3774



53.5074, 42.4944, 79.6024

Triad

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



46.1532, 42.4944, 100.3774



50.7801, 42.4944, 19.8568



27.0798, 42.4944, 39.8170

Complementary

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



46.1532, 42.4944, 100.3774



80.0647, 89.0343, 45.3152

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.



29.6128, 42.4944, 23.8463



46.1532, 42.4944, 100.3774



42.8028, 42.4944, 15.0739

Square

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



46.1532, 42.4944, 100.3774



56.4131, 42.4944, 32.2166



35.1271, 42.4944, 16.2448



27.7299, 42.4944, 63.9087

Rectangle

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



46.1532, 42.4944, 100.3774



56.6652, 42.4944, 61.9629



35.1271, 42.4944, 16.2448



27.5735, 42.4944, 33.4779

Sweetspot

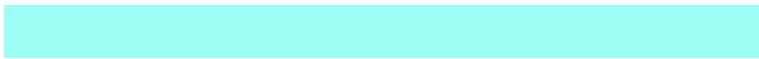
The Sweet Spot groups the original color and five complimentary colors.



46.1546, 42.4959, 100.3777



77.9655, 80.0482, 105.9494



66.1426, 85.3020, 98.3153



16.2739, 16.6487, 22.6057



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.



46.1546, 42.4959, 100.3777



39.3548, 34.3440, 99.1626



52.8314, 43.3021, 100.1814



17.1536, 17.6789, 22.7582



9.6767, 4.2629, 49.7474



0.9896, 0.5100, 4.8595

Inverse Universe

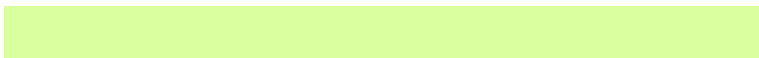
The Inverse Universe completely reimagines the original color for something new.



60.5358, 48.5425, 43.2263



55.7738, 41.5463, 33.8460



70.7911, 88.8662, 45.7715



18.0854, 18.0175, 19.0671



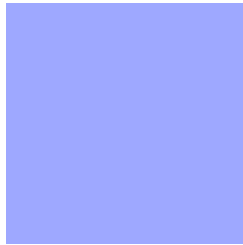
21.6725, 11.1583, 1.6601



2.1341, 1.0960, 0.2878

Previews

White Background



This preview shows how the XYZ color 46.1532, 42.4944, 100.3774 looks on a white background.

Color Contrast Check

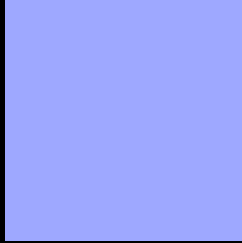
Large Text (above 18pt) WCAG AA × Fail

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 46.1532, 42.4944, 100.3774 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 46.1532, 42.4944, 100.3774

Background



This preview shows how black text looks on a background with the XYZ color 46.1532, 42.4944, 100.3774.



This preview shows how white text looks on a background with the XYZ color 46.1532, 42.4944,

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

46.1532, 42.4944, 100.3774

Protanopia

44.4670, 42.4568, 100.4591

Deuteranopia

43.8175, 42.7056, 99.6995



Tritanopia

37.6732, 42.5119, 57.8498

Trichromacy



Original Color

46.1532, 42.4944, 100.3774

Protanomaly

45.0024, 42.4535, 100.4302

Deuteranomaly

44.4849, 42.4846, 99.6217

Tritanomaly

40.4441, 42.4500, 71.7077

Monochromacy



Original Color

46.1532, 42.4944, 100.3774

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.0138, 42.2997, 63.0770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1532, 42.4944, 100.3774 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(158, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 168, 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(158, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 168, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.1532, 42.4944, 100.3774 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(158, 168, 255) }
```


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

```
.border{ border-color:rgb(158, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 168,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1532, 42.4944, 100.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 168, 255) }
```

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

```
.background{ background-color: rgb(158,  
168, 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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