Converting Colors

XYZ(46.3874, 44.3934, 100.7316)

Have a look what the booklet for XYZ(46.3874, 44.3934, 100.7316) contains.

Color

XYZ(46.3229, 44.2644, 100.7101)

Conversions

Conversions Part 1

Format	Color
Hex	99AEFF
RGB	153, 174, 255
RGB Percent	60%, 68%, 100%
CMY	0.4000, 0.3176, 0.0000
CMYK	0.40, 0.32, 0.00, 0.00
HSL	228°, 100%, 80%
HSV	228°, 40%, 100%
XYZ	46.3229, 44.2644, 100.7101
YIQ	176.9550, -38.5170, 20.7390

Conversions

Conversions Part 2

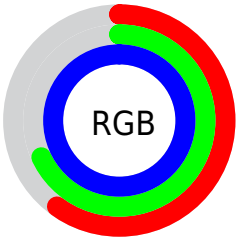
Format	Color
RYB	153, 170, 255
Decimal	10071807
CIELab	72.40, 12.42, -42.44
CIELCh	72, 44.224, 286.316
Yxy	44.2644, 0.2422, 0.2314
Android (android.graphics.Color)	4288261887 (0xFF99AEFF)
YUV	176.9550, 38.4762, -21.0085
Hunter-Lab	66.5315, 7.8514, -43.1765

Details

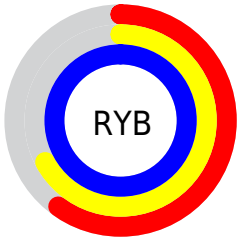
The XYZ color 46.3229, 44.2644, 100.7101 is a light color, and the websafe version is hex 9999FF. A complement of this color would be 76.4134, 82.4065, 42.0175, and the grayscale version is 41.5866, 43.7523, 47.6462.

A 20% lighter version of the original color is 72.6477, 76.9603, 105.6336, and 22.0823, 20.5377, 56.2264 is the 20% darker color. If you saturate the color by 10%, you get 38.3926, 34.8006, 99.3014, and if you desaturate by 10%, it is 55.8742, 55.4411, 102.3641.

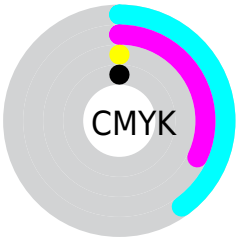
Distribution



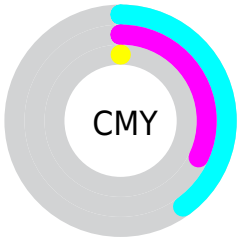
- Red (60%)
- Green (68%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3229, 44.2644, 100.7101 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 46.3229, 44.2644, 100.7101 by changing the saturation by 10% instead.

46.3229, 44.2644, 100.7101

46.3229, 44.2644, 100.7101

362.7995, 363.7861, 583.7330

32.7064, 30.8784, 76.2735

83.9269, 81.6155, 164.1931

22.0598, 20.5063, 56.1488

108.6452, 106.3493, 204.0765

14.0177, 12.7636, 39.9175

137.7948, 135.6346, 249.9460

8.2147, 7.2660, 27.1609

171.7410, 169.8557, 302.2201

4.2856, 3.6290, 17.4606

210.8492, 209.3970, 361.3173

1.8650, 1.4683, 10.3980

255.4848,

0.5563, 0.2662,

254.6429, 427.6562

306.0131, 305.9778, 501.6552

5.5546

0.0000, 0.0000, 2.5118

0.0000, 0.0000, 0.8464

46.3229, 44.2644, 100.7101

38.3926, 34.8006, 99.3014

31.9865, 26.9581, 98.1253

27.0041, 20.6439, 97.1691

23.3300, 15.7531, 96.4188

46.3229, 44.2644, 100.7101

55.8742, 55.4411, 102.3641

67.1272, 68.4063, 104.2735

80.1621, 83.2366, 106.4490

95.0500, 100.0000, 108.9000

20.8298, 12.1657, 95.8581

19.3006, 9.7211, 95.4668

19.3004, 9.7207, 95.4668

Harmonies

Analogous

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

38.7010, 44.2644, 101.5277

46.3229, 44.2644, 100.7101

53.5790, 44.2644, 83.3656

Triad

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

46.3229, 44.2644, 100.7101

53.0218, 44.2644, 23.7789

29.3841, 44.2644, 38.9379

Complementary

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

46.3229, 44.2644, 100.7101

76.4134, 82.4065, 42.0175

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.

32.3431, 44.2644, 24.6401

46.3229, 44.2644, 100.7101

45.6332, 44.2644, 17.8466

Square

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

46.3229, 44.2644, 100.7101

57.7543, 44.2644, 37.3451

38.0894, 44.2644, 18.1051

29.5214, 44.2644, 60.9691

Rectangle

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

46.3229, 44.2644, 100.7101

56.9627, 44.2644, 67.0880

38.0894, 44.2644, 18.1051

30.0327, 44.2644, 33.2327

Sweetspot

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

46.3243, 44.2660, 100.7104

77.4066, 80.1152, 105.9918

63.5915, 84.1703, 89.9115

16.1918, 16.7209, 22.6240

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.

46.3243, 44.2660, 100.7104

39.8525, 36.5594, 99.5640

48.7105, 39.9372, 99.7491

17.3059, 17.9834, 22.8090

10.1694, 5.2483, 49.9116

1.0638, 0.6584, 4.8843

Inverse Universe

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

60.2722, 47.1000, 45.9604

55.7272, 40.3875, 37.1157

72.9059, 90.0052, 43.6691

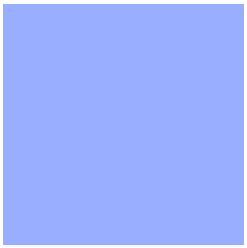
18.1623, 18.0482, 19.4718

21.9212, 11.2578, 2.9697

2.1716, 1.1110, 0.4850

Previews

White Background

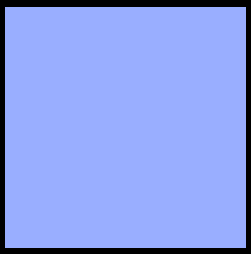


This preview shows how the XYZ color 46.3229, 44.2644, 100.7101 looks on a white background.

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



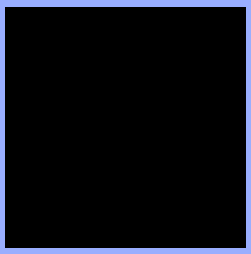
This preview shows how the XYZ color 46.3229, 44.2644, 100.7101 looks on a black background.

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 46.3229, 44.2644, 100.7101 Background



This preview shows how black text looks on a background with the XYZ color 46.3229, 44.2644, 100.7101.

This preview shows how white text looks on a background with the XYZ color 46.3229, 44.2644,

100.7101.

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

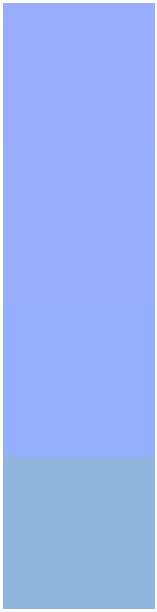
Original Color
46.3229, 44.2644, 100.7101

Protanopia
45.9486, 44.0714, 100.6926

Deuteranopia
45.6080, 44.4737, 100.7882

Tritanopia
38.4217, 44.3570, 61.1803

Trichromacy



Original Color
46.3229, 44.2644, 100.7101

Protanomaly
46.1349, 44.1675, 100.7013

Deuteranomaly
45.7744, 44.2695, 100.7400

Tritanomaly
40.9437, 44.1443, 74.0729

Monochromacy

Original Color
46.3229, 44.2644, 100.7101

Achromatopsia
41.7894, 43.9657, 47.8787

Achromatomaly
42.6932, 43.7833, 63.9585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3229, 44.2644, 100.7101 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, 174, 255) looks like.

```
.text, #text, p{
    color:rgb(153, 174, 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, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.3229, 44.2644, 100.7101 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, 174, 255) }
```

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

```
.border{ border-color:rgb(153, 174, 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, 174, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 174, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 174, 255); box-shadow:4px 4px 4px 4px rgb(153, 174, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3229, 44.2644, 100.7101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(153, 174, 255) }
```

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

```
.background{ background-color:rgb(153,
174, 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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