

Converting Colors

XYZ(41.8896, 41.0807, 80.0036)

Have a look what the booklet for
XYZ(41.8896, 41.0807, 80.0036)
contains.

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Color

**XYZ(41.8484, 41.0016,
79.8372)**

Conversions

Conversions Part 1

Format	Color
Hex	9BA9E5
RGB	155, 169, 229
RGB Percent	61%, 66%, 90%
CMY	0.3921, 0.3372, 0.1020
CMYK	0.32, 0.26, 0.00, 0.10
HSL	229°, 59%, 75%
HSV	229°, 32%, 90%
XYZ	41.8484, 41.0016, 79.8372
YIQ	171.6540, -27.6040, 15.6920

Conversions

Conversions Part 2

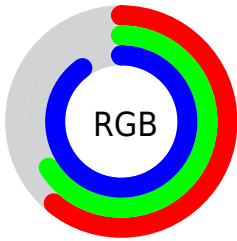
Format	Color
R _Y B	155, 167, 229
Decimal	10201573
CIE Lab	70.18, 8.93, -31.77
CIE LCh	70, 32.997, 285.695
Yxy	41.0016, 0.2572, 0.2520
Android (android.graphics.Color)	4288391653 (0xFF9BA9E5)
YUV	171.6540, 28.2716, -14.6056
Hunter-Lab	64.0325, 4.6017, -29.1014

Details

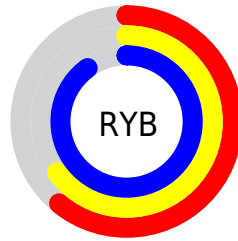
The XYZ color **41.8484, 41.0016, 79.8372** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.5309, 67.6264, 40.7694**, and the grayscale version is **38.9108, 40.9372, 44.5806**.

A 20% lighter version of the original color is **71.5696, 74.3802, 105.1924**, and **19.2709, 18.5064, 42.0916** is the 20% darker color. If you saturate the color by 10%, you get **34.6509, 32.5230, 78.5807**, and if you desaturate by 10%, it is **50.3726, 50.8941, 81.2981**.

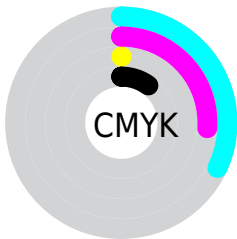
Distribution



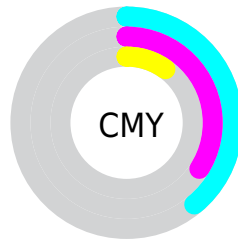
- Red (61%)
- Green (66%)
- Blue (90%)



- Red (61%)
- Yellow (65%)
- Blue (90%)



- Cyan (32%)
- Magenta (26%)
- Yellow (0%)
- Black (10%)



- Cyan (39%)
- Magenta (34%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8484, 41.0016, 79.8372 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 41.8484, 41.0016, 79.8372 by changing the saturation by 10% instead.

■ 41.8484, 41.0016,
79.8372

■ 41.8484, 41.0016,
79.8372

344.8564,
350.3273, 514.0763

■ 29.1732, 28.3203,
59.0590

■ 77.2367, 76.6863,
134.9461

■ 19.3568, 18.5673,
42.2403

■ 100.6806,
100.4586, 170.1140

■ 12.0339, 11.3580,
28.9625

128.4447,
128.6966, 210.9155

■ 6.8391, 6.3082,
18.8071

160.8944,
161.7848, 257.7691

■ 3.4071, 3.0334,
11.3556

198.3951,
200.1076, 311.0935

■ 1.3725, 1.1492,
6.1894

241.3121,

■ 0.2365, 0.0196,

244.0493, 371.3071

2.8899

290.0107,
293.9944, 438.8286

■ 0.0000, 0.0000,
1.0387

■ 0.0000, 0.0000,
0.0000

■ 41.8484, 41.0016,
79.8372

■ 41.8484, 41.0016,
79.8372

■ 34.6509, 32.5230,
78.5807

■ 50.3726, 50.8941,
81.2981

■ 28.7081, 25.3880,
77.5168

■ 60.2823, 62.2568,
82.9690

■ 23.9474, 19.5274,
76.6365

■ 71.6375, 75.1488,
84.8589

■ 20.2869, 14.8636,
75.9292

■ 84.4938, 89.6245,
86.9754

■ 17.6336, 11.3101,
75.3831

■ 91.1430, 98.4372,
88.3260

■ 15.8779, 8.7677,
74.9849

■ 15.0187, 7.4087,
74.7679

Harmonies

Analogous

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



36.4606, 41.0016, 80.1128



41.8484, 41.0016, 79.8372



46.8857, 41.0016, 68.8084

Triad

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



41.8484, 41.0016, 79.8372



46.6844, 41.0016, 26.5617



29.7485, 41.0016, 37.6906

Complementary

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



41.8484, 41.0016, 79.8372



62.5309, 67.6264, 40.7694

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.



32.0009, 41.0016, 26.9244



41.8484, 41.0016, 79.8372



41.5936, 41.0016, 21.5795

Square

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



41.8484, 41.0016, 79.8372



49.8487, 41.0016, 37.0712



36.2282, 41.0016, 21.6948



29.8030, 41.0016, 53.1832

Rectangle

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



41.8484, 41.0016, 79.8372



49.2230, 41.0016, 58.0392



36.2282, 41.0016, 21.6948



30.2512, 41.0016, 33.4864

Sweetspot

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



41.8498, 41.0032, 79.8382



80.0381, 82.9909, 106.4081



53.7012, 67.8734, 74.0239



16.7125, 17.2863, 22.7057



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.



41.8498, 41.0032, 79.8382



46.8800, 44.6564, 100.7564



44.0426, 38.4720, 79.2340



13.8024, 14.3261, 18.1821



8.6517, 4.3654, 42.7698



0.7023, 0.4485, 3.1815

Inverse Universe

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



51.1971, 42.9667, 43.1327



60.7287, 47.9564, 46.2870



59.6130, 71.6427, 41.6984



14.4878, 14.4123, 15.5034



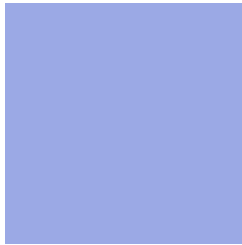
18.7605, 9.6384, 2.3677



1.4181, 0.7250, 0.3423

Previews

White Background



This preview shows how the XYZ color 41.8484, 41.0016, 79.8372 looks on a white background.

Color Contrast Check

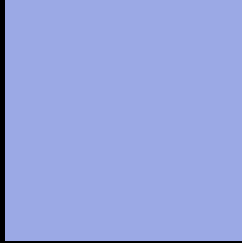
Large Text (above 18pt) WCAG AA × Fail

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 41.8484, 41.0016, 79.8372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

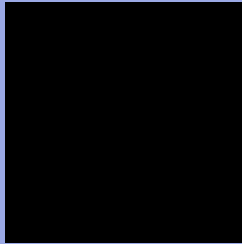
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8484, 41.0016, 79.8372

Background



This preview shows how black text looks on a background with the XYZ color 41.8484, 41.0016, 79.8372.



This preview shows how white text looks on a background with the XYZ color 41.8484, 41.0016,

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

41.8484, 41.0016, 79.8372

Protanopia

41.6573, 40.9031, 79.8283

Deuteranopia

42.0411, 41.1010, 79.8462



Tritanopia

36.6737, 40.8794, 54.6728

Trichromacy



Original Color

41.8484, 41.0016, 79.8372

Protanomaly

41.6573, 40.9031, 79.8283

Deuteranomaly

42.0411, 41.1010, 79.8462

Tritanomaly

38.2371, 40.6363, 62.9550

Monochromacy



Original Color

41.8484, 41.0016, 79.8372

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.9144, 41.0831, 56.2782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8484, 41.0016, 79.8372 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(155, 169, 229)` looks like.

```
.text, #text, p{  
    color:rgb(155, 169, 229)  
}
```

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(155, 169, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 169, 229) }
```

Border

The CSS property to change the border of an element to XYZ 41.8484, 41.0016, 79.8372 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(155, 169, 229) }
```


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

```
.border{ border-color:rgb(155, 169, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 169, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 169, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 169, 229); box-shadow:4px 4px 4px 4px rgb(155, 169, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8484, 41.0016, 79.8372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 169, 229) }
```

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

```
.background{ background-color: rgb(155,  
169, 229) }
```

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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