

Converting Colors

XYZ(41.9885, 41.0577, 80.5748)

Have a look what the booklet for
XYZ(41.9885, 41.0577, 80.5748)
contains.

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Color

**XYZ(41.9885, 41.0577,
80.5748)**

Conversions

Conversions Part 1

Format	Color
Hex	9BA9E6
RGB	155, 169, 230
RGB Percent	61%, 66%, 90%
CMY	0.3921, 0.3372, 0.0980
CMYK	0.33, 0.27, 0.00, 0.10
HSL	229°, 60%, 75%
HSV	229°, 33%, 90%
XYZ	41.9885, 41.0577, 80.5748
YIQ	171.7680, -27.9250, 16.0030

Conversions

Conversions Part 2

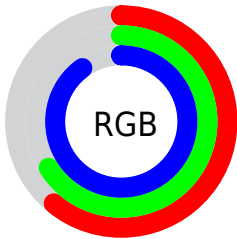
Format	Color
R_{YB}	155, 167, 230
Decimal	10201574
CIE _{Lab}	70.22, 9.18, -32.25
CIE _{LCh}	70, 33.534, 285.890
Yxy	41.0577, 0.2566, 0.2509
Android (android.graphics.Color)	4288391654 (0xFF9BA9E6)
YUV	171.7680, 28.7084, -14.7055
Hunter-Lab	64.0763, 4.8356, -29.7027

Details

The XYZ color **41.9885, 41.0577, 80.5748** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.1063, 68.3022, 40.8695**, and the grayscale version is **38.9663, 40.9956, 44.6442**.

A 20% lighter version of the original color is **71.5696, 74.3802, 105.1924**, and **19.3681, 18.5453, 42.6032** is the 20% darker color. If you saturate the color by 10%, you get **34.7531, 32.5265, 79.3102**, and if you desaturate by 10%, it is **50.5653, 51.0213, 82.0466**.

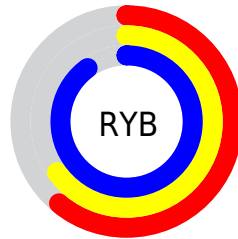
Distribution



Red (61%)

Green (66%)

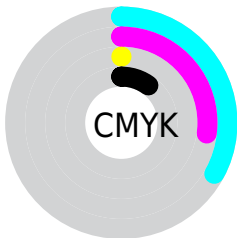
Blue (90%)



Red (61%)

Yellow (65%)

Blue (90%)

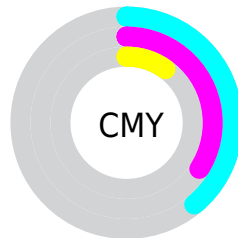


Cyan (33%)

Magenta (27%)

Yellow (0%)

Black (10%)



Cyan (39%)

Magenta (34%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9885, 41.0577, 80.5748 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 41.9885, 41.0577, 80.5748 by changing the saturation by 10% instead.

■ 41.9885, 41.0577,
80.5748

■ 41.9885, 41.0577,
80.5748

345.4277,
350.5617, 516.6256

■ 29.2834, 28.3642,
59.6625

■ 77.4475, 76.7715,
135.9923

■ 19.4406, 18.6004,
42.7232

■ 100.9321,
100.5605, 171.3345

■ 12.0950, 11.3819,
29.3382

128.7405,
128.8168, 212.3239

■ 6.8811, 6.3243,
19.0890

161.2381,
161.9249, 259.3788

■ 3.4335, 3.0433,
11.5572

198.7903,
200.2690, 312.9179

■ 1.3869, 1.1544,
6.3240

241.7623,

■ 0.2469, 0.0239,

244.2335, 373.3597

2.9711

290.5197,
294.2030, 441.1228

■ 0.0000, 0.0000,
1.0799

■ 0.0000, 0.0000,
0.0000

■ 41.9885, 41.0577,
80.5748

■ 41.9885, 41.0577,
80.5748

■ 34.7531, 32.5265,
79.3102

■ 50.5653, 51.0213,
82.0466

■ 28.7859, 25.3562,
78.2407

■ 60.5432, 62.4747,
83.7315

■ 24.0132, 19.4760,
77.3572

■ 71.9833, 75.4782,
85.6385

■ 20.3516, 14.8069,
76.6490

■ 84.9418, 90.0872,
87.7753

■ 17.7063, 11.2605,
76.1039

■ 91.2831, 98.4932,
89.0636

■ 15.9657, 8.7353,
75.7082

■ 15.1446, 7.4362,
75.5008

Harmonies

Analogous

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



36.5049, 41.0577, 80.9354



41.9885, 41.0577, 80.5748



47.1114, 41.0577, 69.2439

Triad

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



41.9885, 41.0577, 80.5748



46.8489, 41.0577, 26.3101



29.6490, 41.0577, 37.7270

Complementary

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



41.9885, 41.0577, 80.5748



63.1063, 68.3022, 40.8695

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.



31.9198, 41.0577, 26.7794



41.9885, 41.0577, 80.5748



41.6567, 41.0577, 21.3139

Square

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



41.9885, 41.0577, 80.5748



50.0922, 41.0577, 36.9225



36.2026, 41.0577, 21.4626



29.7198, 41.0577, 53.5105

Rectangle

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



41.9885, 41.0577, 80.5748



49.4828, 41.0577, 58.2381



36.2026, 41.0577, 21.4626



30.1538, 41.0577, 33.4496

Sweetspot

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



41.9899, 41.0593, 80.5758



80.0198, 82.9542, 106.4020



54.0813, 68.4695, 74.6565



16.7081, 17.2775, 22.7042



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.



41.9899, 41.0593, 80.5758



46.8315, 44.5594, 100.7403



44.2512, 38.5633, 79.9748



13.7994, 14.3202, 18.1811



8.6390, 4.3401, 42.7656



0.7009, 0.4457, 3.1811

Inverse Universe

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



51.5171, 43.1317, 43.1477



60.7042, 47.9466, 46.1580



60.0863, 72.2986, 41.8000



14.4863, 14.4117, 15.4955



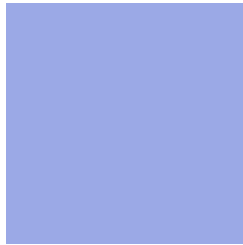
18.7541, 9.6358, 2.3340



1.4174, 0.7247, 0.3386

Previews

White Background



This preview shows how the XYZ color 41.9885, 41.0577, 80.5748 looks on a white background.

Color Contrast Check

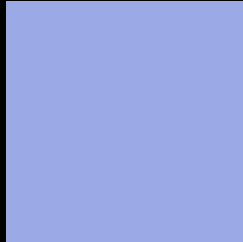
Large Text (above 18pt) WCAG AA × Fail

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 41.9885, 41.0577, 80.5748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

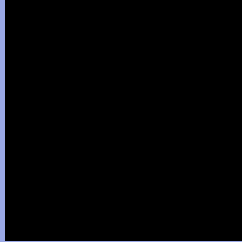
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9885, 41.0577, 80.5748

Background



This preview shows how black text looks on a background with the XYZ color 41.9885, 41.0577, 80.5748.



This preview shows how white text looks on a background with the XYZ color 41.9885, 41.0577,

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

41.9885, 41.0577, 80.5748

Protanopia

41.7973, 40.9591, 80.5659

Deuteranopia

41.9885, 41.0577, 80.5748



Tritanopia

36.6737, 40.8794, 54.6728

Trichromacy



Original Color

41.9885, 41.0577, 80.5748

Protanomaly

41.7973, 40.9591, 80.5659

Deuteranomaly

41.9885, 41.0577, 80.5748

Tritanomaly

38.3574, 40.6845, 63.5888

Monochromacy



Original Color

41.9885, 41.0577, 80.5748

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 41.9885, 41.0577, 80.5748 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(155, 169, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 169, 230) }
```

Border

The CSS property to change the border of an element to XYZ 41.9885, 41.0577, 80.5748 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, 230) }
```


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

```
.border{ border-color:rgb(155, 169, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 169, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 169, 230);  
box-shadow:4px 4px 4px 4px rgb(155, 169,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9885, 41.0577, 80.5748 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, 230) }
```

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

```
.background{ background-color: rgb(155,  
169, 230) }
```

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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