

Converting Colors

XYZ(41.8188, 40.6371, 69.3066)

Have a look what the booklet for
XYZ(41.8188, 40.6371, 69.3066)
contains.

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Color

**XYZ(41.8927, 40.7080,
69.2678)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A7D6
RGB	167, 167, 214
RGB Percent	65%, 65%, 84%
CMY	0.3451, 0.3451, 0.1608
CMYK	0.22, 0.22, 0.00, 0.16
HSL	240°, 36%, 75%
HSV	240°, 22%, 84%
XYZ	41.8927, 40.7080, 69.2678
YIQ	172.3580, -15.0870, 14.6170

Conversions

Conversions Part 2

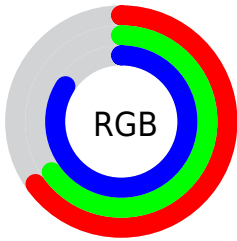
Format	Color
R _Y B	167, 167, 214
Decimal	10987478
CIE Lab	69.97, 9.95, -23.78
CIE LCh	70, 25.782, 292.700
Yxy	40.7080, 0.2758, 0.2680
Android (android.graphics.Color)	4289177558 (0xFFA7A7D6)
YUV	172.3580, 20.5295, -4.6990
Hunter-Lab	63.8028, 5.5475, -19.7065

Details

The XYZ color **41.8927, 40.7080, 69.2678** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.7537, 65.1795, 46.0447**, and the grayscale version is **39.2998, 41.3464, 45.0263**.

A 20% lighter version of the original color is **74.6027, 75.1505, 105.1813**, and **19.3282, 18.3421, 35.3226** is the 20% darker color. If you saturate the color by 10%, you get **34.1392, 31.3656, 67.8739**, and if you desaturate by 10%, it is **51.0456, 51.7366, 70.9148**.

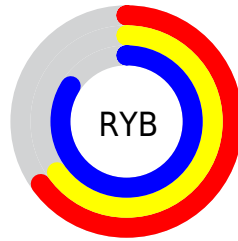
Distribution



Red (65%)

Green (65%)

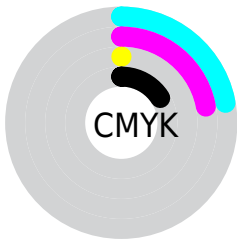
Blue (84%)



Red (65%)

Yellow (65%)

Blue (84%)

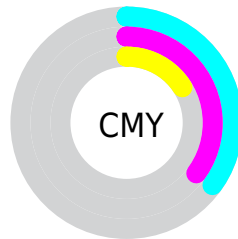


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (16%)



Cyan (35%)

Magenta (35%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8927, 40.7080, 69.2678 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 41.8927, 40.7080, 69.2678 by changing the saturation by 10% instead.

■ 41.8927, 40.7080,
69.2678

■ 41.8927, 40.7080,
69.2678

345.0371,
349.0987, 476.6944

■ 29.2080, 28.0910,
50.4567

■ 77.3034, 76.2404,
119.8353

■ 19.3833, 18.3943,
35.4027

■ 100.7601, 99.9246,
152.4288

■ 12.0532, 11.2334,
23.6872

128.5382,
128.0667, 190.4535

■ 6.8524, 6.2241,
14.8917

161.0031,
161.0510, 234.3280

■ 3.4155, 2.9818,
8.5976

198.5201,
199.2620, 284.4708

■ 1.3771, 1.1222,
4.3865

241.4545,

■ 0.2398, 0.0000,

243.0840, 341.3004

1.8397

290.1717,
292.9015, 405.2355

■ 0.0000, 0.0000,
0.4539

■ 0.0000, 0.0000,
0.0000

■ 41.8927, 40.7080,
69.2678

■ 41.8927, 40.7080,
69.2678

■ 34.1392, 31.3656,
67.8739

■ 51.0456, 51.7366,
70.9148

■ 27.7125, 23.6219,
66.7179

■ 61.6579, 64.5237,
72.8236

■ 22.5395, 17.3887,
65.7874

■ 73.7908, 79.1430,
75.0060

■ 18.5383, 12.5675,
65.0677

■ 87.5011, 95.6628,
77.4720

■ 15.6175, 9.0482,
64.5424

■ 89.1377, 97.6351,
77.7664

■ 13.6721, 6.7040,
64.1924

■ 12.5762, 5.3835,
63.9953

■ 12.1378, 4.8552,
63.9164

Harmonies

Analogous

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



37.6747, 40.7080, 71.4506



41.8927, 40.7080, 69.2678



45.4779, 40.7080, 59.8687

Triad

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



41.8927, 40.7080, 69.2678



43.7948, 40.7080, 28.3541



31.2215, 40.7080, 41.4499

Complementary

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



41.8927, 40.7080, 69.2678



58.7537, 65.1795, 46.0447

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.



32.6166, 40.7080, 31.7340



41.8927, 40.7080, 69.2678



39.7269, 40.7080, 25.1134

Square

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



41.8927, 40.7080, 69.2678



46.6304, 40.7080, 35.9843



35.6581, 40.7080, 26.2278



31.7095, 40.7080, 53.8621

Rectangle

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



41.8927, 40.7080, 69.2678



46.9257, 40.7080, 51.5637



35.6581, 40.7080, 26.2278



31.4821, 40.7080, 37.7960

Sweetspot

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



41.8940, 40.7096, 69.2687



83.3529, 85.9059, 106.7961



52.0216, 61.1246, 72.1522



17.6363, 18.1408, 22.8219



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.



41.8940, 40.7096, 69.2687



57.0954, 54.2675, 102.0732



47.1219, 43.4044, 69.5133



11.7427, 12.0088, 15.6365



7.3364, 2.9347, 38.6329



0.4425, 0.1770, 2.3302

Inverse Universe

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



48.5264, 44.7248, 42.6361



68.5261, 61.1874, 56.1732



52.5797, 61.9971, 45.7558



12.4233, 12.4208, 12.9035



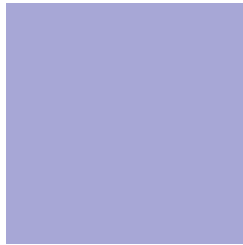
16.7620, 8.6411, 0.7846



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 41.8927, 40.7080, 69.2678 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 41.8927, 40.7080, 69.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

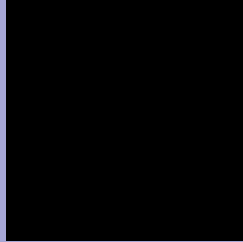
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8927, 40.7080, 69.2678

Background



This preview shows how black text looks on a background with the XYZ color 41.8927, 40.7080, 69.2678.



This preview shows how white text looks on a background with the XYZ color 41.8927, 40.7080,

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

41.8927, 40.7080, 69.2678

Protanopia

40.7518, 40.6532, 69.9890

Deuteranopia

41.6573, 40.8596, 69.3095



Tritanopia

38.5157, 40.7316, 52.2864

Trichromacy



Original Color

41.8927, 40.7080, 69.2678

Protanomaly

41.1687, 40.5929, 69.9554

Deuteranomaly

41.8661, 40.9673, 69.3192

Tritanomaly

39.6484, 40.6275, 57.9767

Monochromacy



Original Color

41.8927, 40.7080, 69.2678

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.9219, 40.8834, 52.8009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8927, 40.7080, 69.2678 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(167, 167, 214)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 214)  
}
```

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(167, 167, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 214) }
```

Border

The CSS property to change the border of an element to XYZ 41.8927, 40.7080, 69.2678 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(167, 167, 214) }
```


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

```
.border{ border-color:rgb(167, 167, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 167, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 167, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 167, 214);  
box-shadow:4px 4px 4px 4px rgb(167, 167,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8927, 40.7080, 69.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 214) }
```

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

```
.background{ background-color: rgb(167,  
167, 214) }
```

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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