

Converting Colors

XYZ(41.8107, 42.3865, 71.8061)

Have a look what the booklet for
XYZ(41.8107, 42.3865, 71.8061)
contains.

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Color

**XYZ(41.7660, 42.2678,
71.6028)**

Conversions

Conversions Part 1

Format	Color
Hex	9FADD9
RGB	159, 173, 217
RGB Percent	62%, 68%, 85%
CMY	0.3765, 0.3216, 0.1490
CMYK	0.27, 0.20, 0.00, 0.15
HSL	226°, 43%, 74%
HSV	226°, 27%, 85%
XYZ	41.7660, 42.2678, 71.6028
YIQ	173.8300, -22.4680, 10.7160

Conversions

Conversions Part 2

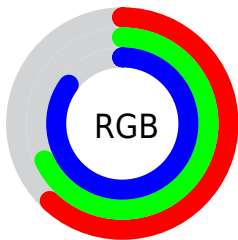
Format	Color
R _{YB}	159, 170, 217
Decimal	10464729
CIE _{Lab}	71.06, 4.89, -23.83
CIE _{LCh}	71, 24.323, 281.602
Yxy	42.2678, 0.2684, 0.2716
Android (android.graphics.Color)	4288654809 (0xFF9FADD9)
YUV	173.8300, 21.2828, -13.0059
Hunter-Lab	65.0137, 0.8977, -19.7894

Details

The XYZ color **41.7660, 42.2678, 71.6028** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.2298, 59.9671, 41.4133**, and the grayscale version is **40.0485, 42.1341, 45.8841**.

A 20% lighter version of the original color is **73.8177, 77.1539, 105.6093**, and **19.3028, 19.3476, 36.8995** is the 20% darker color. If you saturate the color by 10%, you get **34.8703, 34.3130, 70.4315**, and if you desaturate by 10%, it is **49.8088, 51.3933, 72.9410**.

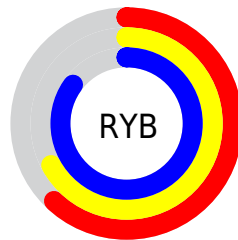
Distribution



Red (62%)

Green (68%)

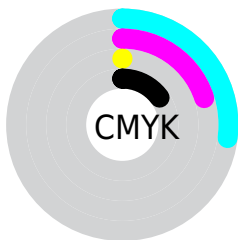
Blue (85%)



Red (62%)

Yellow (67%)

Blue (85%)

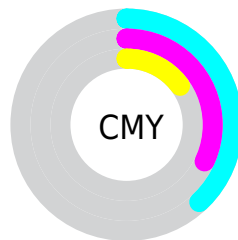


Cyan (27%)

Magenta (20%)

Yellow (0%)

Black (15%)



Cyan (38%)

Magenta (32%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7660, 42.2678, 71.6028 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 41.7660, 42.2678, 71.6028 by changing the saturation by 10% instead.

■ 41.7660, 42.2678,
71.6028

■ 41.7660, 42.2678,
71.6028

344.5202,
355.5919, 485.0982

■ 29.1084, 29.3110,
52.3494

■ 77.1127, 78.6048,
123.1941

■ 19.3075, 19.3162,
36.8995

■ 100.5326,
102.7538, 156.3691

■ 11.9980, 11.8990,
24.8345

128.2706,
131.4023, 195.0218

■ 6.8145, 6.6749,
15.7359

160.6921,
164.9348, 239.5706

■ 3.3917, 3.2597,
9.1851

198.1625,
203.7356, 290.4341

■ 1.3641, 1.2688,
4.7637

241.0470,

■ 0.2304, 0.1168,

248.1891, 348.0308

2.0530

289.7111,
298.6797, 412.7794

■ 0.0000, 0.0000,
0.5876

■ 0.0000, 0.0000,
0.0000

■ 41.7660, 42.2678,
71.6028

■ 41.7660, 42.2678,
71.6028

■ 34.8703, 34.3130,
70.4315

■ 49.8088, 51.3933,
72.9410

■ 29.0640, 27.4752,
69.4177

■ 59.0445, 61.7300,
74.4494

■ 24.2905, 21.7042,
68.5554

■ 69.5215, 73.3227,
76.1348

■ 20.4862, 16.9434,
67.8370

■ 81.2842, 86.2124,
78.0028

■ 17.5799, 13.1309,
67.2543

■ 89.5245, 97.7898,
79.8032

■ 15.4900, 10.1969,
66.7981

■ 14.1150, 8.0588,
66.4579

■ 13.7697, 7.5002,
66.3683

Harmonies

Analogous

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



37.7586, 42.2678, 70.6850



41.7660, 42.2678, 71.6028



45.5878, 42.2678, 64.8627

Triad

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



41.7660, 42.2678, 71.6028



46.3040, 42.2678, 32.7081



33.2078, 42.2678, 39.3158

Complementary

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



41.7660, 42.2678, 71.6028



56.2298, 59.9671, 41.4133

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.



35.2072, 42.2678, 31.2371



41.7660, 42.2678, 71.6028



42.6908, 42.2678, 27.8891

Square

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



41.7660, 42.2678, 71.6028



48.3233, 42.2678, 41.6678



38.6235, 42.2678, 27.4004



32.9971, 42.2678, 50.6704

Rectangle

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



41.7660, 42.2678, 71.6028



47.4459, 42.2678, 57.5047



38.6235, 42.2678, 27.4004



33.6864, 42.2678, 36.1804

Sweetspot

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



41.7674, 42.2695, 71.6038



83.1993, 86.8548, 106.9873



49.8319, 61.2855, 65.3918



17.3590, 18.0896, 22.8267



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.



41.7674, 42.2695, 71.6038



54.4639, 54.3333, 102.2246



42.2680, 38.7486, 70.8978



12.5927, 13.1251, 16.5218



8.4046, 4.6786, 40.1985



0.6118, 0.4377, 2.6267

Inverse Universe

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



48.5573, 42.5663, 45.1938



65.8970, 55.1554, 57.6825



55.5644, 64.7561, 42.3727



13.1843, 13.1028, 14.2316



17.7376, 9.0961, 2.9981



1.1831, 0.6029, 0.3731

Previews

White Background



This preview shows how the XYZ color 41.7660, 42.2678, 71.6028 looks on a white background.

Color Contrast Check

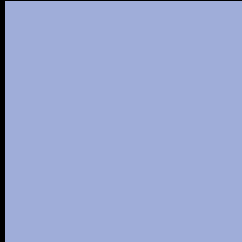
Large Text (above 18pt) WCAG AA × Fail

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 41.7660, 42.2678, 71.6028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

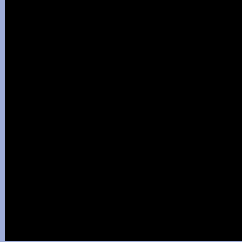
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7660, 42.2678, 71.6028

Background



This preview shows how black text looks on a background with the XYZ color 41.7660, 42.2678, 71.6028.



This preview shows how white text looks on a background with the XYZ color 41.7660, 42.2678,

71.6028.

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

41.7660, 42.2678, 71.6028

Protanopia

42.2515, 42.2494, 70.8938

Deuteranopia

43.1781, 42.1362, 72.1870



Tritanopia

38.7612, 42.5166, 56.0328

Trichromacy



Original Color

41.7660, 42.2678, 71.6028

Protanomaly

42.0475, 42.1443, 70.8843

Deuteranomaly

42.7348, 42.1871, 72.2202

Tritanomaly

39.7783, 42.3356, 61.3334

Monochromacy



Original Color

41.7660, 42.2678, 71.6028

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.7925, 42.4248, 54.7540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7660, 42.2678, 71.6028 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(159, 173, 217)` looks like.

```
.text, #text, p{  
    color:rgb(159, 173, 217)  
}
```

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(159, 173, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 173, 217) }
```

Border

The CSS property to change the border of an element to XYZ 41.7660, 42.2678, 71.6028 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(159, 173, 217) }
```


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

```
.border{ border-color:rgb(159, 173, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 173, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 173, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 173, 217);  
box-shadow:4px 4px 4px 4px rgb(159, 173,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7660, 42.2678, 71.6028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 173, 217) }
```

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

```
.background{ background-color: rgb(159,  
173, 217) }
```

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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