

Converting Colors

XYZ(41.3302, 41.1435, 68.3569)

Have a look what the booklet for
XYZ(41.3302, 41.1435, 68.3569)
contains.

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Color

**XYZ(41.3626, 41.2894,
68.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	A3AAD4
RGB	163, 170, 212
RGB Percent	64%, 67%, 83%
CMY	0.3608, 0.3333, 0.1686
CMYK	0.23, 0.20, 0.00, 0.17
HSL	231°, 36%, 74%
HSV	231°, 23%, 83%
XYZ	41.3626, 41.2894, 68.0770
YIQ	172.6950, -17.6540, 11.5780

Conversions

Conversions Part 2

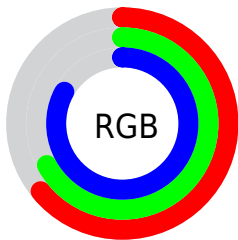
Format	Color
R _{YB}	163, 169, 212
Decimal	10726100
CIE Lab	70.38, 6.58, -22.09
CIE LCh	70, 23.050, 286.591
Yxy	41.2894, 0.2744, 0.2739
Android (android.graphics.Color)	4288916180 (0xFFA3AAD4)
YUV	172.6950, 19.3774, -8.5025
Hunter-Lab	64.2568, 2.4523, -17.8351

Details

The XYZ color **41.3626, 41.2894, 68.0770** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.5940, 60.3042, 43.3611**, and the grayscale version is **39.4772, 41.5331, 45.2296**.

A 20% lighter version of the original color is **74.1886, 76.1305, 105.3922**, and **18.9946, 18.7062, 34.5078** is the 20% darker color. If you saturate the color by 10%, you get **34.2063, 32.8890, 66.8334**, and if you desaturate by 10%, it is **49.7200, 51.0099, 69.5134**.

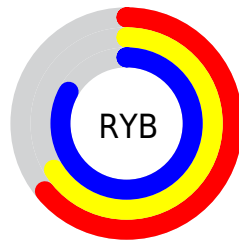
Distribution



Red (64%)

Green (67%)

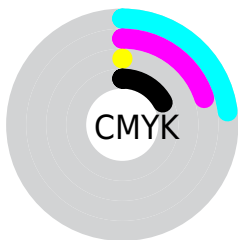
Blue (83%)



Red (64%)

Yellow (66%)

Blue (83%)

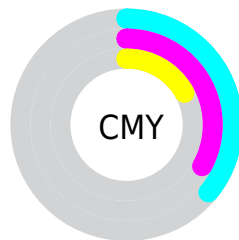


Cyan (23%)

Magenta (20%)

Yellow (0%)

Black (17%)



Cyan (36%)

Magenta (33%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3626, 41.2894, 68.0770 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 41.3626, 41.2894, 68.0770 by changing the saturation by 10% instead.

■ 41.3626, 41.2894,
68.0770

■ 41.3626, 41.2894,
68.0770

342.8706,
351.5287, 472.3742

■ 28.7914, 28.5453,
49.4933

■ 76.5053, 77.1230,
118.1175

■ 19.0666, 18.7371,
34.6426

■ 99.8075, 100.9813,
150.4115

■ 11.8227, 11.4805,
23.1063

127.4174,
129.3131, 188.1126

■ 6.6944, 6.3910,
14.4660

159.7005,
162.5028, 231.6393

■ 3.3163, 3.0843,
8.3031

197.0219,
200.9349, 281.4104

■ 1.3232, 1.1759,
4.1989

239.7472,

■ 0.2005, 0.0419,

244.9936, 337.8442

1.7351

288.2416,
295.0634, 401.3593

■ 0.0000, 0.0000,
0.3846

■ 0.0000, 0.0000,
0.0000

■ 41.3626, 41.2894,
68.0770

■ 41.3626, 41.2894,
68.0770

■ 34.2063, 32.8890,
66.8334

■ 49.7200, 51.0099,
69.5134

■ 28.1917, 25.7466,
65.7718

■ 59.3264, 62.0990,
71.1476

■ 23.2603, 19.8026,
64.8844

■ 70.2318, 74.6091,
72.9875

■ 19.3466, 14.9904,
64.1618

■ 82.4823, 88.5880,
75.0400

■ 16.3780, 11.2369,
63.5938

■ 88.8838, 97.5335,
76.4293

■ 14.2720, 8.4602,
63.1688

■ 12.9313, 6.5655,
62.8738

■ 12.3555, 5.6969,
62.7365

Harmonies

Analogous

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



37.5782, 41.2894, 68.4734



41.3626, 41.2894, 68.0770



44.7812, 41.2894, 60.8821

Triad

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



41.3626, 41.2894, 68.0770



44.4694, 41.2894, 31.4335



32.5726, 41.2894, 40.2880

Complementary

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



41.3626, 41.2894, 68.0770



55.5940, 60.3042, 43.3611

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.



34.1838, 41.2894, 32.0837



41.3626, 41.2894, 68.0770



40.9590, 41.2894, 27.5552

Square

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



41.3626, 41.2894, 68.0770



46.6524, 41.2894, 39.2561



37.1997, 41.2894, 27.7722



32.6652, 41.2894, 51.1850

Rectangle

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



41.3626, 41.2894, 68.0770



46.3205, 41.2894, 53.7709



37.1997, 41.2894, 27.7722



32.9282, 41.2894, 37.1633

Sweetspot

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



41.3639, 41.2911, 68.0779



84.0972, 87.3943, 107.0441



49.6259, 59.2652, 66.3609



17.8079, 18.4841, 22.8792



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.



41.3639, 41.2911, 68.0779



56.9692, 55.8565, 102.3865



43.8392, 40.6702, 67.8276



11.8843, 12.2921, 15.6838



7.6716, 3.6049, 38.7446



0.5097, 0.3115, 2.3526

Inverse Universe

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



47.5053, 43.0948, 43.8463



68.0129, 59.2612, 58.7764



52.6221, 61.3143, 43.7128



12.4948, 12.4494, 13.2800



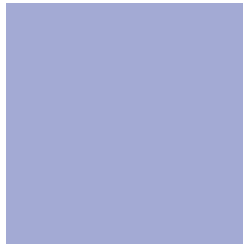
16.9311, 8.7088, 1.6754



1.0449, 0.5348, 0.2260

Previews

White Background



This preview shows how the XYZ color 41.3626, 41.2894, 68.0770 looks on a white background.

Color Contrast Check

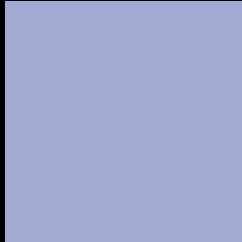
Large Text (above 18pt) WCAG AA × Fail

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 41.3626, 41.2894, 68.0770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

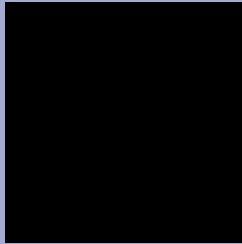
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3626, 41.2894, 68.0770

Background



This preview shows how black text looks on a background with the XYZ color 41.3626, 41.2894, 68.0770.



This preview shows how white text looks on a background with the XYZ color 41.3626, 41.2894,

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

41.3626, 41.2894, 68.0770

Protanopia

41.1587, 41.1843, 68.0674

Deuteranopia

42.0347, 41.0836, 68.0018



Tritanopia

38.3137, 41.1720, 53.5046

Trichromacy



Original Color

41.3626, 41.2894, 68.0770

Protanomaly

41.1587, 41.1843, 68.0674

Deuteranomaly

41.7975, 41.2364, 68.0438

Tritanomaly

39.5188, 41.3919, 58.7299

Monochromacy



Original Color

41.3626, 41.2894, 68.0770

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.0844, 41.5279, 52.9167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3626, 41.2894, 68.0770 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(163, 170, 212)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 212)  
}
```

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(163, 170, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 212) }
```

Border

The CSS property to change the border of an element to XYZ 41.3626, 41.2894, 68.0770 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(163, 170, 212) }
```


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

```
.border{ border-color:rgb(163, 170, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 170, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 170, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 170, 212);  
box-shadow:4px 4px 4px 4px rgb(163, 170,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3626, 41.2894, 68.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 170, 212) }
```

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

```
.background{ background-color: rgb(163,  
170, 212) }
```

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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