

Converting Colors

XYZ(42.8550, 43.8769, 68.6746)

Have a look what the booklet for
XYZ(42.8550, 43.8769, 68.6746)
contains.

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Color

**XYZ(42.7188, 43.6966,
68.4701)**

Conversions

Conversions Part 1

Format	Color
Hex	A4B0D4
RGB	164, 176, 212
RGB Percent	64%, 69%, 83%
CMY	0.3569, 0.3098, 0.1686
CMYK	0.23, 0.17, 0.00, 0.17
HSL	225°, 36%, 74%
HSV	225°, 23%, 83%
XYZ	42.7188, 43.6966, 68.4701
YIQ	176.5160, -18.7080, 8.6520

Conversions

Conversions Part 2

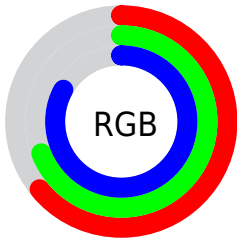
Format	Color
RYB	164, 174, 212
Decimal	10793172
CIELab	72.03, 3.58, -19.58
CIELCh	72, 19.904, 280.359
Yxy	43.6966, 0.2758, 0.2821
Android (android.graphics.Color)	4288983252 (0xFFA4B0D4)
YUV	176.5160, 17.4936, -10.9765
Hunter-Lab	66.1034, -0.3267, -15.1404

Details

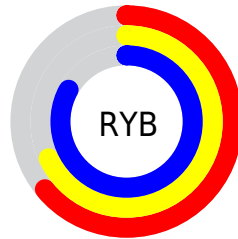
The XYZ color **42.7188, 43.6966, 68.4701** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.5070, 57.9861, 43.4427**, and the grayscale version is **41.4557, 43.6146, 47.4964**.

A 20% lighter version of the original color is **76.4218, 80.1489, 106.0502**, and **19.8490, 20.2291, 34.7567** is the 20% darker color. If you saturate the color by 10%, you get **35.7662, 35.7533, 67.3041**, and if you desaturate by 10%, it is **50.7686, 52.7497, 69.7940**.

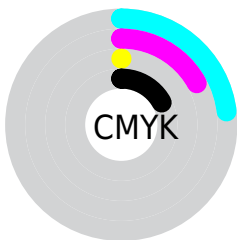
Distribution



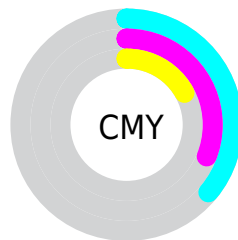
- Red (64%)
- Green (69%)
- Blue (83%)



- Red (64%)
- Yellow (68%)
- Blue (83%)



- Cyan (23%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)



- Cyan (36%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7188, 43.6966, 68.4701 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 42.7188, 43.6966, 68.4701 by changing the saturation by 10% instead.

■ 42.7188, 43.6966,
68.4701

■ 42.7188, 43.6966,
68.4701

348.3952,
361.4687, 473.8030

■ 29.8581, 30.4321,
49.8112

■ 78.5447, 80.7610,
118.6850

■ 19.8784, 20.1668,
34.8933

■ 102.2406,
105.3297, 151.0780

■ 12.4145, 12.5163,
23.2978

130.2790,
134.4351, 188.8862

■ 7.1008, 7.0963,
14.6062

163.0252,
168.4618, 232.5281

■ 3.5721, 3.5224,
8.3999

200.8446,
207.7942, 282.4221

■ 1.4630, 1.4102,
4.2605

244.1025,

■ 0.3005, 0.2242,

252.8165, 338.9870

1.7693

293.1642,
303.9132, 402.6411

■ 0.0000, 0.0000,
0.4076

■ 0.0000, 0.0000,
0.0000

■ 42.7188, 43.6966,
68.4701

■ 42.7188, 43.6966,
68.4701

■ 35.7662, 35.7533,
67.3041

■ 50.7686, 52.7497,
69.7940

■ 29.8579, 28.8707,
66.2870

■ 59.9570, 62.9485,
71.2783

■ 24.9430, 23.0040,
65.4136

■ 70.3283, 74.3337,
72.9292

■ 20.9642, 18.1026,
64.6773

■ 81.9232, 86.9426,
74.7518

■ 17.8581, 14.1116,
64.0707

■ 88.8838, 97.5335,
76.4292

■ 15.5530, 10.9698,
63.5857

■ 13.9643, 8.6074,
63.2134

■ 13.1572, 7.3004,
63.0037

Harmonies

Analogous

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



39.3739, 43.6966, 67.4757



42.7188, 43.6966, 68.4701



45.9105, 43.6966, 63.3152

Triad

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



42.7188, 43.6966, 68.4701



46.7146, 43.6966, 36.4563



35.6755, 43.6966, 41.5596

Complementary

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



42.7188, 43.6966, 68.4701



54.5070, 57.9861, 43.4427

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.



37.4417, 43.6966, 34.6921



42.7188, 43.6966, 68.4701



43.7682, 43.6966, 32.0359

Square

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



42.7188, 43.6966, 68.4701



48.2995, 43.6966, 44.2908



40.3680, 43.6966, 31.4375



35.4287, 43.6966, 51.0244

Rectangle

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



42.7188, 43.6966, 68.4701



47.4762, 43.6966, 57.4494



40.3680, 43.6966, 31.4375



36.1064, 43.6966, 38.9079

Sweetspot

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



42.7202, 43.6984, 68.4711



84.6623, 88.5245, 107.2325



49.1863, 59.1131, 62.9731



17.9384, 18.7451, 22.9227



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.



42.7202, 43.6984, 68.4711



59.7784, 60.5623, 103.1468



42.8843, 40.4426, 67.8340



11.9924, 12.5082, 15.7198



8.1901, 4.6419, 38.9175



0.5603, 0.4127, 2.3694

Inverse Universe

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



48.2644, 43.6837, 46.9642



69.6536, 60.7703, 64.7868



54.2788, 62.1579, 44.2599



12.5494, 12.4712, 13.5672



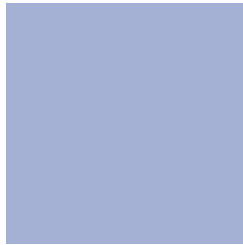
17.1928, 8.8134, 3.0535



1.0705, 0.5450, 0.3605

Previews

White Background



This preview shows how the XYZ color 42.7188, 43.6966, 68.4701 looks on a white background.

Color Contrast Check

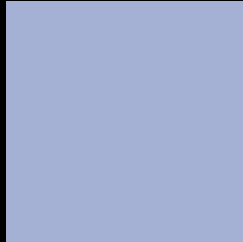
Large Text (above 18pt) WCAG AA × Fail

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 42.7188, 43.6966, 68.4701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

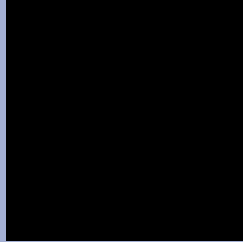
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7188, 43.6966, 68.4701

Background



This preview shows how black text looks on a background with the XYZ color 42.7188, 43.6966, 68.4701.



This preview shows how white text looks on a background with the XYZ color 42.7188, 43.6966,

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

42.7188, 43.6966, 68.4701

Protanopia

43.4500, 43.7981, 67.7918

Deuteranopia

44.4420, 43.4231, 68.9899



Tritanopia

40.2429, 43.5640, 56.7397

Trichromacy



Original Color

42.7188, 43.6966, 68.4701

Protanomaly

43.0242, 43.5786, 67.7719

Deuteranomaly

43.7484, 43.3492, 69.0122

Tritanomaly

41.0437, 43.5880, 60.8937

Monochromacy



Original Color

42.7188, 43.6966, 68.4701

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.0297, 43.9326, 54.9798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7188, 43.6966, 68.4701 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(164, 176, 212)` looks like.

```
.text, #text, p{  
    color:rgb(164, 176, 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(164, 176, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 176, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.7188, 43.6966, 68.4701 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(164, 176, 212) }
```


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

```
.border{ border-color:rgb(164, 176, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 176, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 176, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 176, 212);  
box-shadow:4px 4px 4px 4px rgb(164, 176,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7188, 43.6966, 68.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 176, 212) }
```

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

```
.background{ background-color: rgb(164,  
176, 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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