

Converting Colors

XYZ(42.7003, 46.3066, 70.2986)

Have a look what the booklet for
XYZ(42.7003, 46.3066, 70.2986)
contains.

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Color

**XYZ(42.8130, 46.4230,
70.3224)**

Conversions

Conversions Part 1

Format	Color
Hex	9AB9D6
RGB	154, 185, 214
RGB Percent	60%, 73%, 84%
CMY	0.3961, 0.2745, 0.1608
CMYK	0.28, 0.14, 0.00, 0.16
HSL	209°, 42%, 72%
HSV	209°, 28%, 84%
XYZ	42.8130, 46.4230, 70.3224
YIQ	179.0370, -27.7850, 2.4470

Conversions

Conversions Part 2

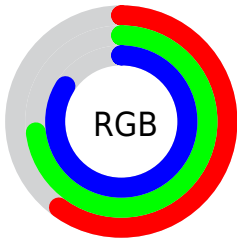
Format	Color
RYB	154, 174, 214
Decimal	10140118
CIELab	73.82, -3.87, -18.02
CIELCh	74, 18.429, 257.872
Yxy	46.4230, 0.2683, 0.2909
Android (android.graphics.Color)	4288330198 (0xFF9AB9D6)
YUV	179.0370, 17.2368, -21.9574
Hunter-Lab	68.1344, -7.0728, -13.4999

Details

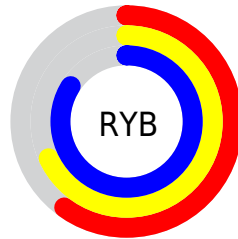
The XYZ color **42.8130, 46.4230, 70.3224** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.4984, 50.4966, 37.6584**, and the grayscale version is **42.7903, 45.0187, 49.0254**.

A 20% lighter version of the original color is **75.7998, 83.6859, 106.7657**, and **19.8761, 21.7724, 35.9558** is the 20% darker color. If you saturate the color by 10%, you get **37.0120, 40.3375, 69.4543**, and if you desaturate by 10%, it is **49.5004, 53.2014, 71.2791**.

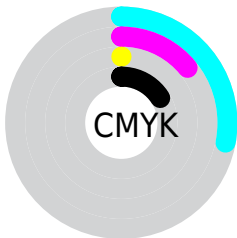
Distribution



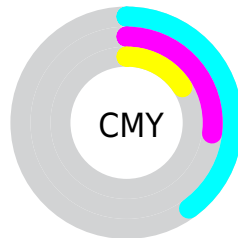
- Red (60%)
- Green (73%)
- Blue (84%)



- Red (60%)
- Yellow (68%)
- Blue (84%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (40%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8130, 46.4230, 70.3224 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 42.8130, 46.4230, 70.3224 by changing the saturation by 10% instead.

■ 42.8130, 46.4230,
70.3224

■ 42.8130, 46.4230,
70.3224

348.7767,
372.5066, 480.5009

■ 29.9323, 32.5797,
51.3110

■ 78.6861, 84.8517,
121.3538

■ 19.9350, 21.8047,
36.0777

■ 102.4091,
110.2059, 154.2109

■ 12.4558, 13.7135,
24.2041

130.4771,
140.1660, 192.5203

■ 7.1293, 7.9216,
15.2715

163.2552,
175.1162, 236.7006

■ 3.5901, 4.0449,
8.8614

201.1089,
215.4409, 287.1702

■ 1.4730, 1.6987,
4.5553

244.4034,

■ 0.3073, 0.4228,

261.5247, 344.3478

1.9347

293.5043,
313.7518, 408.6518

■ 0.0000, 0.0000,
0.5147

■ 0.0000, 0.0000,
0.0000

■ 42.8130, 46.4230,
70.3224

■ 42.8130, 46.4230,
70.3224

■ 37.0120, 40.3375,
69.4543

■ 49.5004, 53.2014,
71.2791

■ 32.0513, 34.9127,
68.6687

■ 57.1087, 60.6920,
72.3239

■ 27.8865, 30.1219,
67.9635

■ 65.6761, 68.9200,
73.4605

■ 24.4675, 25.9339,
67.3353

■ 75.2368, 77.9078,
74.6914

■ 21.7374, 22.3140,
66.7805

■ 83.5803, 86.5201,
75.9140

■ 19.6300, 19.2222,
66.2948

■ 86.6570, 92.6736,
76.9396

■ 18.0514, 16.6043,
65.8727

■ 89.1378, 97.6351,
77.7665

■ 17.7757, 16.1311,
65.7959

Harmonies

Analogous

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



40.0304, 46.4230, 65.1465



42.8130, 46.4230, 70.3224



46.0858, 46.4230, 69.7407

Triad

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



42.8130, 46.4230, 70.3224



50.3966, 46.4230, 45.2084



39.6135, 46.4230, 39.3823

Complementary

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



42.8130, 46.4230, 70.3224



50.4984, 50.4966, 37.6584

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.



42.2180, 46.4230, 35.2434



42.8130, 46.4230, 70.3224



48.4868, 46.4230, 38.3095

Square

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



42.8130, 46.4230, 70.3224



50.5753, 46.4230, 54.4338



45.4608, 46.4230, 34.8767



38.2454, 46.4230, 46.8493

Rectangle

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



42.8130, 46.4230, 70.3224



48.1061, 46.4230, 66.1722



45.4608, 46.4230, 34.8767



40.3673, 46.4230, 37.5978

Sweetspot

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



42.8144, 46.4249, 70.3235



84.8740, 90.2041, 107.5455



45.8175, 58.3415, 53.1033



17.7793, 18.9303, 22.9668



0.0000, 0.0000, 0.0000



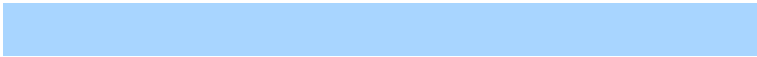
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.8144, 46.4249, 70.3235



58.0812, 63.2153, 103.7483



37.3536, 35.5033, 68.5032



12.2680, 13.0594, 15.8116



10.8489, 9.9596, 39.8038



0.7371, 0.7662, 2.4283

Inverse Universe

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



48.0453, 40.9114, 51.2654



67.3207, 54.1852, 69.9262



57.1087, 63.7171, 39.8618



12.6885, 12.5269, 14.2997



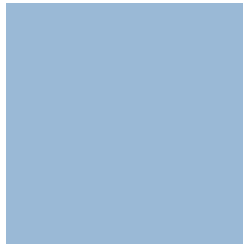
18.5349, 9.3503, 10.1207



1.1597, 0.5807, 0.8303

Previews

White Background



This preview shows how the XYZ color 42.8130, 46.4230, 70.3224 looks on a white background.

Color Contrast Check

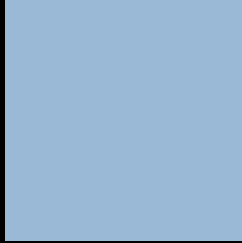
Large Text (above 18pt) WCAG AA × Fail

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 42.8130, 46.4230, 70.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

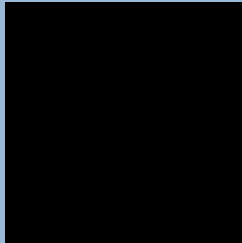
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

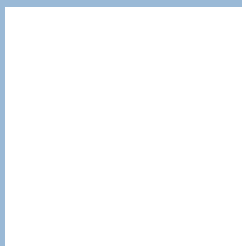
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8130, 46.4230, 70.3224

Background



This preview shows how black text looks on a background with the XYZ color 42.8130, 46.4230, 70.3224.



This preview shows how white text looks on a background with the XYZ color 42.8130, 46.4230,

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

42.8130, 46.4230, 70.3224

Protanopia

45.6333, 46.4096, 67.5256

Deuteranopia

47.4082, 46.3472, 71.4130



Tritanopia

41.1935, 46.3842, 62.6590

Trichromacy



Original Color

42.8130, 46.4230, 70.3224

Protanomaly

44.4222, 46.3745, 68.2379

Deuteranomaly

45.6003, 46.3195, 70.8271

Tritanomaly

41.6484, 46.2494, 65.1245

Monochromacy



Original Color

42.8130, 46.4230, 70.3224

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.6159, 45.3996, 56.3861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8130, 46.4230, 70.3224 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(154, 185, 214)` looks like.

```
.text, #text, p{  
    color:rgb(154, 185, 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(154, 185, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 185, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.8130, 46.4230, 70.3224 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(154, 185, 214) }
```


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

```
.border{ border-color:rgb(154, 185, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 185, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 185, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 185, 214);  
box-shadow:4px 4px 4px 4px rgb(154, 185,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8130, 46.4230, 70.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 185, 214) }
```

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

```
.background{ background-color: rgb(154,  
185, 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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