

Converting Colors

XYZ(42.5638, 44.8682, 68.7716)

Have a look what the booklet for
XYZ(42.5638, 44.8682, 68.7716)
contains.

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Color

**XYZ(42.5030, 44.7669,
68.6881)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB4D4
RGB	159, 180, 212
RGB Percent	62%, 71%, 83%
CMY	0.3765, 0.2941, 0.1686
CMYK	0.25, 0.15, 0.00, 0.17
HSL	216°, 38%, 73%
HSV	216°, 25%, 83%
XYZ	42.5030, 44.7669, 68.6881
YIQ	177.3690, -22.7880, 5.5000

Conversions

Conversions Part 2

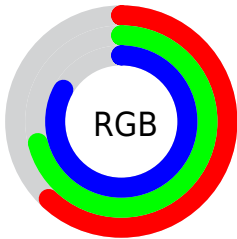
Format	Color
R_{YB}	159, 174, 212
Decimal	10466516
CIE _{Lab}	72.74, -0.14, -18.53
CIE _{LCh}	73, 18.533, 269.568
Yxy	44.7669, 0.2725, 0.2870
Android (android.graphics.Color)	4288656596 (0xFF9FB4D4)
YUV	177.3690, 17.0731, -16.1096
Hunter-Lab	66.9081, -3.6979, -14.0317

Details

The XYZ color **42.5030, 44.7669, 68.6881** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.0408, 53.7622, 40.4364**, and the grayscale version is **41.9066, 44.0890, 48.0129**.

A 20% lighter version of the original color is **75.7770, 81.5070, 106.3463**, and **19.6190, 20.6772, 34.8554** is the 20% darker color. If you saturate the color by 10%, you get **36.1885, 37.8523, 67.6870**, and if you desaturate by 10%, it is **49.7799, 52.5341, 69.8045**.

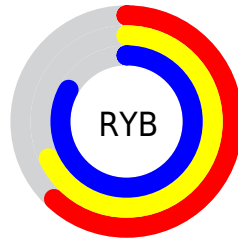
Distribution



Red (62%)

Green (71%)

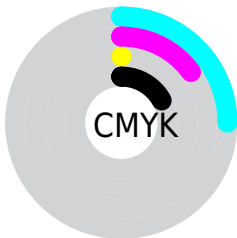
Blue (83%)



Red (62%)

Yellow (68%)

Blue (83%)

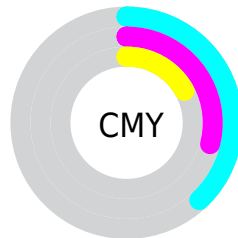


Cyan (25%)

Magenta (15%)

Yellow (0%)

Black (17%)



Cyan (38%)

Magenta (29%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5030, 44.7669, 68.6881 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 42.5030, 44.7669, 68.6881 by changing the saturation by 10% instead.

■ 42.5030, 44.7669,
68.6881

■ 42.5030, 44.7669,
68.6881

347.5201,
365.8287, 474.5943

■ 29.6882, 31.2739,
49.9876

■ 78.2207, 82.3705,
118.9995

■ 19.7489, 20.8075,
35.0324

■ 101.8544,
107.2499, 151.4474

■ 12.3199, 12.9833,
23.4041

129.8250,
136.6935, 189.3149

■ 7.0357, 7.4171,
14.6841

162.4979,
171.0857, 233.0204

■ 3.5309, 3.7243,
8.4538

200.2385,
210.8109, 282.9826

■ 1.4404, 1.5206,
4.2948

243.4122,

■ 0.2847, 0.3031,

256.2536, 339.6199

1.7884

292.3843,
307.7980, 403.3510

■ 0.0000, 0.0000,
0.4203

■ 0.0000, 0.0000,
0.0000

■ 42.5030, 44.7669,
68.6881

■ 42.5030, 44.7669,
68.6881

■ 36.1885, 37.8523,
67.6870

■ 49.7799, 52.5341,
69.8045

■ 30.7891, 31.7530,
66.7943

■ 58.0554, 61.1784,
71.0369

■ 26.2594, 26.4368,
66.0069

■ 67.3688, 70.7300,
72.3897

■ 22.5482, 21.8668,
65.3204

■ 77.7560, 81.2160,
73.8662

■ 19.5983, 18.0027,
64.7301

■ 85.4747, 90.7154,
75.2929

■ 17.3442, 14.7992,
64.2305

■ 88.8838, 97.5335,
76.4293

■ 15.7073, 12.2033,
63.8157

■ 15.0547, 11.0952,
63.6362

Harmonies

Analogous

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



39.4931, 44.7669, 65.6669



42.5030, 44.7669, 68.6881



45.6751, 44.7669, 65.8299

Triad

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



42.5030, 44.7669, 68.6881



48.1589, 44.7669, 40.5150



37.4365, 44.7669, 40.3109

Complementary

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



42.5030, 44.7669, 68.6881



52.0408, 53.7622, 40.4364

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.



39.5700, 44.7669, 34.9035



42.5030, 44.7669, 68.6881



45.7598, 44.7669, 35.0104

Square

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



42.5030, 44.7669, 68.6881



49.0388, 44.7669, 48.8772



42.5962, 44.7669, 33.0899



36.6597, 44.7669, 48.6102

Rectangle

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



42.5030, 44.7669, 68.6881



47.4331, 44.7669, 61.1572



42.5962, 44.7669, 33.0899



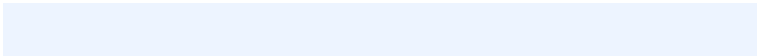
38.0133, 44.7669, 38.1347

Sweetspot

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



42.5044, 44.7687, 68.6891



85.4430, 90.0861, 107.4928



47.2245, 58.2116, 57.9229



18.1189, 19.1061, 22.9828



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.



42.5044, 44.7687, 68.6891



59.2798, 62.2538, 103.4995



39.6547, 37.4754, 67.4316



12.1423, 12.8081, 15.7698



9.3854, 7.0327, 39.3159



0.6457, 0.5834, 2.3979

Inverse Universe

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



47.7889, 42.0898, 48.7874



68.7456, 57.8944, 67.7521



55.4508, 62.8133, 42.0037



12.6250, 12.5015, 13.9657



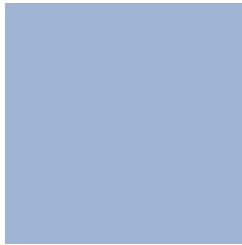
17.7962, 9.0548, 6.2308



1.1136, 0.5622, 0.5875

Previews

White Background



This preview shows how the XYZ color 42.5030, 44.7669, 68.6881 looks on a white background.

Color Contrast Check

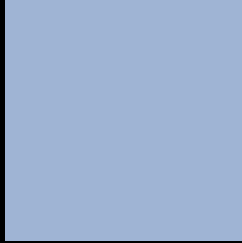
Large Text (above 18pt) WCAG AA × Fail

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 42.5030, 44.7669, 68.6881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

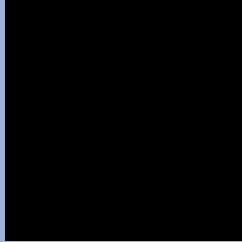
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5030, 44.7669, 68.6881

Background



This preview shows how black text looks on a background with the XYZ color 42.5030, 44.7669, 68.6881.



This preview shows how white text looks on a background with the XYZ color 42.5030, 44.7669,

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

42.5030, 44.7669, 68.6881

Protanopia

44.3683, 44.8681, 67.2947

Deuteranopia

45.5064, 44.5412, 69.1497



Tritanopia

40.7218, 44.9661, 59.3564

Trichromacy



Original Color

42.5030, 44.7669, 68.6881

Protanomaly

43.6146, 44.7594, 67.9687

Deuteranomaly

44.3302, 44.5127, 69.2061

Tritanomaly

41.2932, 44.8883, 62.3650

Monochromacy



Original Color

42.5030, 44.7669, 68.6881

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.7922, 44.1045, 55.0255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5030, 44.7669, 68.6881 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, 180, 212)` looks like.

```
.text, #text, p{  
    color:rgb(159, 180, 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(159, 180, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 180, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.5030, 44.7669, 68.6881 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, 180, 212) }
```


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

```
.border{ border-color:rgb(159, 180, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 180, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 180, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 180, 212);  
box-shadow:4px 4px 4px 4px rgb(159, 180,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5030, 44.7669, 68.6881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 180, 212) }
```

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

```
.background{ background-color: rgb(159,  
180, 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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