

Converting Colors

XYZ(42.1254, 43.3433, 65.6252)

Have a look what the booklet for
XYZ(42.1254, 43.3433, 65.6252)
contains.

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Color

**XYZ(42.2203, 43.4972,
65.8451)**

Conversions

Conversions Part 1

Format	Color
Hex	A4B0D0
RGB	164, 176, 208
RGB Percent	64%, 69%, 82%
CMY	0.3569, 0.3098, 0.1843
CMYK	0.21, 0.15, 0.00, 0.18
HSL	224°, 32%, 73%
HSV	224°, 21%, 82%
XYZ	42.2203, 43.4972, 65.8451
YIQ	176.0600, -17.4240, 7.4080

Conversions

Conversions Part 2

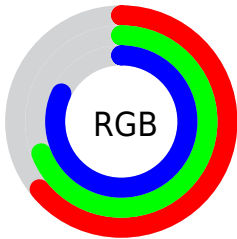
Format	Color
RYB	164, 173, 208
Decimal	10793168
CIELab	71.89, 2.66, -17.59
CIELCh	72, 17.793, 278.603
Yxy	43.4972, 0.2786, 0.2870
Android (android.graphics.Color)	4288983248 (0xFFA4B0D0)
YUV	176.0600, 15.7464, -10.5766
Hunter-Lab	65.9524, -1.1476, -13.0268

Details

The XYZ color **42.2203, 43.4972, 65.8451** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.4536, 55.5702, 43.0845**, and the grayscale version is **41.2261, 43.3731, 47.2333**.

A 20% lighter version of the original color is **76.1200, 79.9933, 106.0360**, and **19.7225, 20.1931, 33.4300** is the 20% darker color. If you saturate the color by 10%, you get **35.4714, 35.8586, 64.7271**, and if you desaturate by 10%, it is **50.0044, 52.1622, 67.1081**.

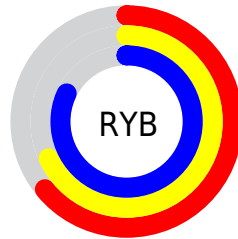
Distribution



Red (64%)

Green (69%)

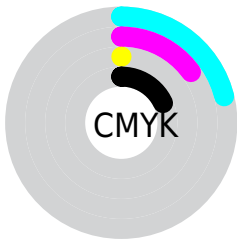
Blue (82%)



Red (64%)

Yellow (68%)

Blue (82%)

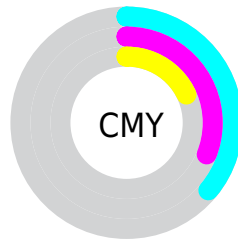


Cyan (21%)

Magenta (15%)

Yellow (0%)

Black (18%)



Cyan (36%)

Magenta (31%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2203, 43.4972, 65.8451 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 42.2203, 43.4972, 65.8451 by changing the saturation by 10% instead.

■ 42.2203, 43.4972,
65.8451

■ 42.2203, 43.4972,
65.8451

346.3715,
360.6525, 464.2118

■ 29.4657, 30.2754,
47.6910

■ 77.7960, 80.4606,
114.8889

■ 19.5794, 20.0477,
33.2240

■ 101.3478,
104.9710, 146.6156

■ 12.1962, 12.4297,
22.0256

129.2294,
134.0131, 183.7036

■ 6.9506, 7.0371,
13.6772

161.8061,
167.9713, 226.5714

■ 3.4773, 3.4853,
7.7603

199.4433,
207.2299, 275.6376

■ 1.4109, 1.3900,
3.8564

242.5064,

■ 0.2640, 0.2094,

252.1734, 331.3207

1.5469

291.3606,
303.1861, 394.0393

■ 0.0000, 0.0000,
0.2525

■ 0.0000, 0.0000,
0.0000

■ 42.2203, 43.4972,
65.8451

■ 42.2203, 43.4972,
65.8451

■ 35.4714, 35.8586,
64.7271

■ 50.0044, 52.1622,
67.1081

■ 29.7089, 29.2021,
63.7460

■ 58.8618, 61.8854,
68.5180

■ 24.8857, 23.4875,
62.8972

■ 68.8335, 72.7035,
70.0805

■ 20.9493, 18.6700,
62.1748

■ 79.9570, 84.6500,
71.8002

■ 17.8417, 14.7005,
61.5724

■ 87.3216, 95.2067,
73.4497

■ 15.4974, 11.5250,
61.0830

■ 88.3853, 97.3341,
73.8042

■ 13.8399, 9.0817,
60.6988

■ 12.8354, 7.4543,
60.4376

Harmonies

Analogous

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



39.2538, 43.4972, 64.6539



42.2203, 43.4972, 65.8451



45.0847, 43.4972, 61.6312

Triad

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



42.2203, 43.4972, 65.8451



46.0642, 43.4972, 37.6962



36.1529, 43.4972, 41.5318

Complementary

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



42.2203, 43.4972, 65.8451



52.4536, 55.5702, 43.0845

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.



37.8138, 43.4972, 35.4835



42.2203, 43.4972, 65.8451



43.5046, 43.4972, 33.4644

Square

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



42.2203, 43.4972, 65.8451



47.3740, 43.4972, 44.9091



40.4775, 43.4972, 32.7069



35.8465, 43.4972, 49.9007

Rectangle

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



42.2203, 43.4972, 65.8451



46.5170, 43.4972, 56.5946



40.4775, 43.4972, 32.7069



36.5673, 43.4972, 39.1908

Sweetspot

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



42.2216, 43.4990, 65.8461



86.1960, 90.3180, 107.4978



47.7774, 56.9694, 60.4254



18.2515, 19.1144, 22.9774



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.



42.2216, 43.4990, 65.8461



62.3108, 63.7528, 103.6291



42.0133, 40.0512, 65.1916



11.4223, 11.9350, 14.9453



8.0692, 4.7851, 37.6908



0.5179, 0.4010, 2.1297

Inverse Universe

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



47.1254, 43.0965, 46.9109



71.3893, 63.2163, 68.5268



52.6695, 59.8622, 43.9016



11.9393, 11.8605, 12.9563



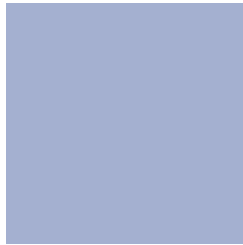
16.7037, 8.5543, 3.3459



0.9676, 0.4918, 0.3645

Previews

White Background



This preview shows how the XYZ color 42.2203, 43.4972, 65.8451 looks on a white background.

Color Contrast Check

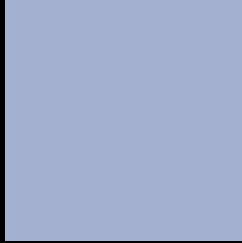
Large Text (above 18pt) WCAG AA × Fail

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 42.2203, 43.4972, 65.8451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

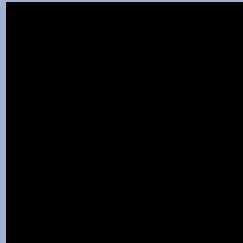
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2203, 43.4972, 65.8451

Background



This preview shows how black text looks on a background with the XYZ color 42.2203, 43.4972, 65.8451.



This preview shows how white text looks on a background with the XYZ color 42.2203, 43.4972,

65.8451.

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

42.2203, 43.4972, 65.8451

Protanopia

42.9761, 43.3231, 65.1286

Deuteranopia

44.3926, 43.4556, 66.3696



Tritanopia

40.4437, 43.6675, 56.7491

Trichromacy



Original Color

42.2203, 43.4972, 65.8451

Protanomaly

42.7409, 43.4898, 65.1732

Deuteranomaly

43.4655, 43.2612, 66.3810

Tritanomaly

41.0137, 43.5994, 59.6799

Monochromacy



Original Color

42.2203, 43.4972, 65.8451

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.6157, 43.4522, 53.7707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2203, 43.4972, 65.8451 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(164, 176, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 176, 208) }
```

Border

The CSS property to change the border of an element to XYZ 42.2203, 43.4972, 65.8451 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, 208) }
```


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

```
.border{ border-color:rgb(164, 176, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 176, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 176, 208);  
box-shadow:4px 4px 4px 4px rgb(164, 176,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2203, 43.4972, 65.8451 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, 208) }
```

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

```
.background{ background-color: rgb(164,  
176, 208) }
```

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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