

Converting Colors

XYZ(42.1168, 42.8503, 65.6980)

Have a look what the booklet for
XYZ(42.1168, 42.8503, 65.6980)
contains.

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Color

**XYZ(42.0383, 42.8255,
65.7250)**

Conversions

Conversions Part 1

Format	Color
Hex	A5AED0
RGB	165, 174, 208
RGB Percent	65%, 68%, 82%
CMY	0.3529, 0.3176, 0.1843
CMYK	0.21, 0.16, 0.00, 0.18
HSL	227°, 31%, 73%
HSV	227°, 21%, 82%
XYZ	42.0383, 42.8255, 65.7250
YIQ	175.1850, -16.2780, 8.6660

Conversions

Conversions Part 2

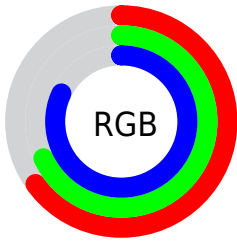
Format	Color
R _Y B	165, 172, 208
Decimal	10858192
CIE Lab	71.44, 4.07, -18.27
CIE LCh	71, 18.722, 282.565
Yxy	42.8255, 0.2792, 0.2844
Android (android.graphics.Color)	4289048272 (0xFFA5AED0)
YUV	175.1850, 16.1778, -8.9322
Hunter-Lab	65.4412, 0.1432, -13.7383

Details

The XYZ color **42.0383, 42.8255, 65.7250** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.2279, 56.9736, 43.7901**, and the grayscale version is **40.7693, 42.8925, 46.7099**.

A 20% lighter version of the original color is **75.5845, 78.4743, 105.7711**, and **19.6023, 19.7629, 33.3533** is the 20% darker color. If you saturate the color by 10%, you get **35.0738, 34.8048, 64.5446**, and if you desaturate by 10%, it is **50.0981, 51.9905, 67.0699**.

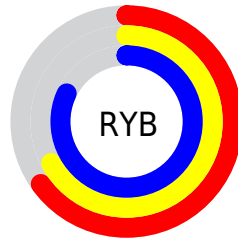
Distribution



Red (65%)

Green (68%)

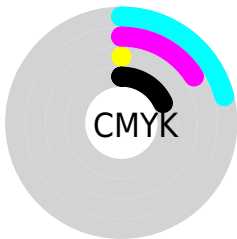
Blue (82%)



Red (65%)

Yellow (67%)

Blue (82%)

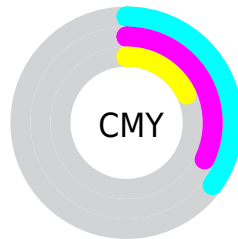


Cyan (21%)

Magenta (16%)

Yellow (0%)

Black (18%)



Cyan (35%)

Magenta (32%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0383, 42.8255, 65.7250 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 42.0383, 42.8255, 65.7250 by changing the saturation by 10% instead.

■ 42.0383, 42.8255,
65.7250

■ 42.0383, 42.8255,
65.7250

■ 345.6306,
357.8936, 463.7701

■ 29.3225, 29.7482,
47.5941

■ 77.5224, 79.4475,
114.7148

■ 19.4704, 19.6476,
33.1479

■ 101.0214,
103.7609, 146.4108

■ 12.1167, 12.1391,
21.9677

■ 128.8456,
132.5886, 183.4655

■ 6.8960, 6.8385,
13.6351

■ 161.3602,
166.3149, 226.2976

■ 3.4429, 3.3613,
7.7315

■ 198.9306,
205.3241, 275.3256

■ 1.3921, 1.3231,
3.8383

■ 241.9223,

■ 0.2506, 0.1590,

250.0007, 330.9680

1.5371

290.7005,
300.7291, 393.6433

■ 0.0000, 0.0000,
0.2453

■ 0.0000, 0.0000,
0.0000

■ 42.0383, 42.8255,
65.7250

■ 42.0383, 42.8255,
65.7250

■ 35.0738, 34.8048,
64.5446

■ 50.0981, 51.9905,
67.0699

■ 29.1527, 27.8776,
63.5196

■ 59.2941, 62.3374,
68.5824

■ 24.2247, 21.9970,
62.6443

■ 69.6700, 73.9085,
70.2690

■ 20.2336, 17.1107,
61.9115

■ 81.2662, 86.7427,
72.1350

■ 17.1175, 13.1615,
61.3134

■ 88.3853, 97.3341,
73.8042

■ 14.8066, 10.0861,
60.8416

■ 13.2197, 7.8125,
60.4864

■ 12.2690, 6.3216,
60.2487

Harmonies

Analogous

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



38.9137, 42.8255, 65.2458



42.0383, 42.8255, 65.7250



44.9470, 42.8255, 60.6311

Triad

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



42.0383, 42.8255, 65.7250



45.3376, 42.8255, 35.8378



35.1869, 42.8255, 41.6156

Complementary

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



42.0383, 42.8255, 65.7250



53.2279, 56.9736, 43.7901

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.



36.7374, 42.8255, 34.9690



42.0383, 42.8255, 65.7250



42.5491, 42.8255, 31.9413

Square

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



42.0383, 42.8255, 65.7250



46.9169, 42.8255, 42.9515



39.3989, 42.8255, 31.6453



35.0660, 42.8255, 50.5120

Rectangle

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



42.0383, 42.8255, 65.7250



46.3291, 42.8255, 55.1009



39.3989, 42.8255, 31.6453



35.5544, 42.8255, 39.0745

Sweetspot

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



42.0396, 42.8272, 65.7260



85.9049, 89.7359, 107.4008



48.3459, 57.2208, 62.3377



18.1829, 18.9771, 22.9546



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.



42.0396, 42.8272, 65.7260



61.3334, 61.7980, 103.3033



43.0146, 40.8342, 65.2899



11.3614, 11.8130, 14.9250



7.7037, 4.0541, 37.5690



0.4895, 0.3441, 2.1202

Inverse Universe

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



47.1087, 43.3774, 45.9360



70.8960, 63.0190, 65.9290



52.0656, 59.5404, 44.3468



11.9085, 11.8482, 12.7942



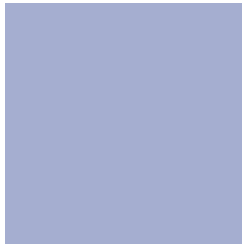
16.5192, 8.4805, 2.3744



0.9533, 0.4860, 0.2888

Previews

White Background



This preview shows how the XYZ color 42.0383, 42.8255, 65.7250 looks on a white background.

Color Contrast Check

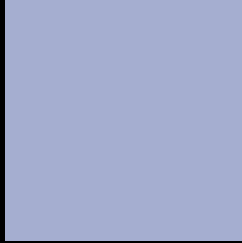
Large Text (above 18pt) WCAG AA × Fail

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 42.0383, 42.8255, 65.7250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

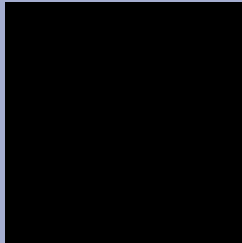
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0383, 42.8255, 65.7250

Background



This preview shows how black text looks on a background with the XYZ color 42.0383, 42.8255, 65.7250.



This preview shows how white text looks on a background with the XYZ color 42.0383, 42.8255,

65.7250.

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

42.0383, 42.8255, 65.7250

Protanopia

42.3545, 42.7170, 65.0444

Deuteranopia

43.7507, 42.8432, 66.2853



Tritanopia

40.0264, 42.8873, 55.4587

Trichromacy



Original Color

42.0383, 42.8255, 65.7250

Protanomaly

42.1424, 42.6076, 65.0344

Deuteranomaly

43.0557, 42.7664, 66.3071

Tritanomaly

40.7076, 42.8684, 58.9522

Monochromacy



Original Color

42.0383, 42.8255, 65.7250

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.0942, 42.9057, 53.1294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0383, 42.8255, 65.7250 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(165, 174, 208)` looks like.

```
.text, #text, p{  
    color:rgb(165, 174, 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(165, 174, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 174, 208) }
```

Border

The CSS property to change the border of an element to XYZ 42.0383, 42.8255, 65.7250 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(165, 174, 208) }
```


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

```
.border{ border-color:rgb(165, 174, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 174, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 174, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 174, 208);  
box-shadow:4px 4px 4px 4px rgb(165, 174,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0383, 42.8255, 65.7250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 174, 208) }
```

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

```
.background{ background-color: rgb(165,  
174, 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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