

Converting Colors

XYZ(42.8845, 46.1380, 59.0789)

Have a look what the booklet for
XYZ(42.8845, 46.1380, 59.0789)
contains.

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Color

**XYZ(42.8336, 46.0680,
58.8590)**

Conversions

Conversions Part 1

Format	Color
Hex	A7B7C4
RGB	167, 183, 196
RGB Percent	65%, 72%, 77%
CMY	0.3451, 0.2823, 0.2314
CMYK	0.15, 0.07, 0.00, 0.23
HSL	207°, 20%, 71%
HSV	207°, 15%, 77%
XYZ	42.8336, 46.0680, 58.8590
YIQ	179.6980, -13.7090, 0.6510

Conversions

Conversions Part 2

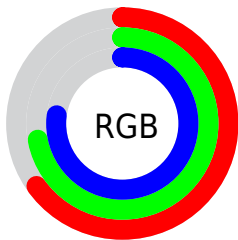
Format	Color
R _Y B	167, 177, 196
Decimal	10991556
CIE Lab	73.59, -2.82, -8.46
CIE LCh	74, 8.916, 251.553
Yxy	46.0680, 0.2899, 0.3118
Android (android.graphics.Color)	4289181636 (0xFFA7B7C4)
YUV	179.6980, 8.0369, -11.1361
Hunter-Lab	67.8734, -6.1306, -3.9042

Details

The XYZ color **42.8336, 46.0680, 58.8590** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0615, 47.1680, 43.2366**, and the grayscale version is **43.1852, 45.4342, 49.4778**.

A 20% lighter version of the original color is **78.7203, 84.3544, 105.0615**, and **19.9353, 21.5631, 28.7026** is the 20% darker color. If you saturate the color by 10%, you get **37.2472, 40.5829, 58.0954**, and if you desaturate by 10%, it is **49.1634, 52.1067, 59.6917**.

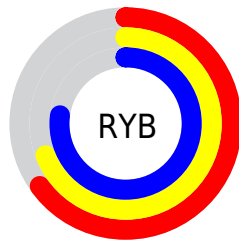
Distribution



Red (65%)

Green (72%)

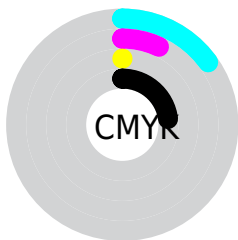
Blue (77%)



Red (65%)

Yellow (69%)

Blue (77%)

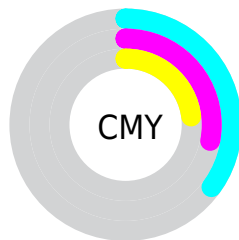


Cyan (15%)

Magenta (7%)

Yellow (0%)

Black (23%)



Cyan (35%)

Magenta (28%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8336, 46.0680, 58.8590 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 42.8336, 46.0680, 58.8590 by changing the saturation by 10% instead.

■ 42.8336, 46.0680,
58.8590

■ 42.8336, 46.0680,
58.8590

348.8601,
371.0820, 438.0665

■ 29.9485, 32.2995,
42.0804

■ 78.7170, 84.3208,
104.6998

■ 19.9474, 21.5904,
28.8382

■ 102.4460,
109.5738, 134.5991

■ 12.4649, 13.5562,
18.7139

130.5204,
139.4238, 169.7089

■ 7.1355, 7.8127,
11.2890

163.3055,
174.2551, 210.4480

■ 3.5941, 3.9753,
6.1450

201.1666,
214.4522, 257.2347

■ 1.4752, 1.6598,
2.8632

244.4692,

■ 0.3088, 0.3974,

260.3995, 310.4877

1.0252

293.5786,
312.4812, 370.6254

■ 0.0000, 0.0000,
0.0000

■ 42.8336, 46.0680,
58.8590

■ 42.8336, 46.0680,
58.8590

■ 37.2472, 40.5829,
58.0954

■ 49.1634, 52.1067,
59.6917

■ 32.3700, 35.6270,
57.3959

■ 56.2608, 58.7107,
60.5923

■ 28.1708, 31.1823,
56.7593

■ 64.1541, 65.8988,
61.5637

■ 24.6146, 27.2277,
56.1834

■ 72.8687, 73.6868,
62.6077

■ 21.6628, 23.7398,
55.6658

■ 78.6528, 80.1434,
63.5491

■ 19.2723, 20.6931,
55.2037

■ 81.1161, 85.0699,
64.3702

■ 17.3935, 18.0584,
54.7942

■ 83.7038, 90.2452,
65.2327

■ 15.9666, 15.8012,
54.4337

■ 86.4175, 95.6727,
66.1373

■ 15.3431, 14.7439,
54.2625

■ 86.9639, 96.7656,
66.3194

Harmonies

Analogous

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



41.5557, 46.0680, 56.1450



42.8336, 46.0680, 58.8590



44.3965, 46.0680, 59.1602

Triad

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



42.8336, 46.0680, 58.8590



46.8253, 46.0680, 48.4407



41.8052, 46.0680, 43.9371

Complementary

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



42.8336, 46.0680, 58.8590



46.0615, 47.1680, 43.2366

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.



43.1817, 46.0680, 42.1227



42.8336, 46.0680, 58.8590



46.0952, 46.0680, 44.6166

Square

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



42.8336, 46.0680, 58.8590



46.7267, 46.0680, 52.9591



44.7529, 46.0680, 42.3637



40.9718, 46.0680, 47.4618

Rectangle

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



42.8336, 46.0680, 58.8590



45.3925, 46.0680, 57.9318



44.7529, 46.0680, 42.3637



42.2183, 46.0680, 43.1168

Sweetspot

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



42.8350, 46.0699, 58.8600



89.9554, 95.2344, 108.2487



43.8712, 50.9738, 50.4763



19.0546, 20.1963, 23.1439



0.0000, 0.0000, 0.0000



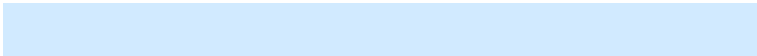
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8350, 46.0699, 58.8600



73.9178, 79.8798, 106.1302



40.0765, 40.5529, 57.9405



9.9787, 10.6487, 12.8143



9.9455, 9.6475, 34.8946



0.4977, 0.5528, 1.5304

Inverse Universe

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



45.1319, 42.7930, 50.6832



78.9779, 72.8752, 88.0688



49.0474, 53.1398, 44.2319



10.3006, 10.1688, 11.6733



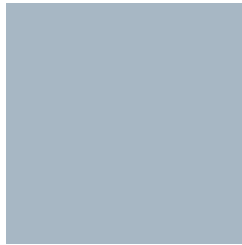
16.4160, 8.2561, 10.1026



0.7436, 0.3705, 0.6172

Previews

White Background



This preview shows how the XYZ color 42.8336, 46.0680, 58.8590 looks on a white background.

Color Contrast Check

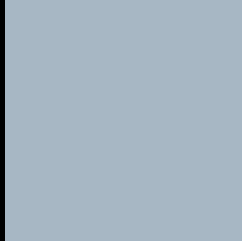
Large Text (above 18pt) WCAG AA × Fail

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 42.8336, 46.0680, 58.8590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

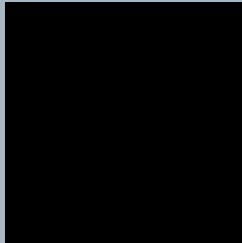
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

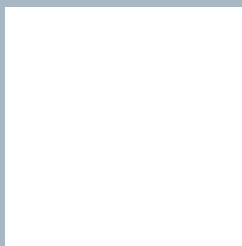
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8336, 46.0680, 58.8590

Background



This preview shows how black text looks on a background with the XYZ color 42.8336, 46.0680, 58.8590.

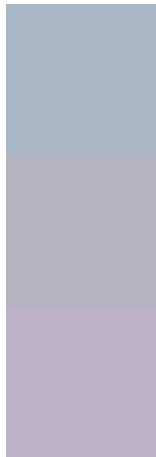


This preview shows how white text looks on a background with the XYZ color 42.8336, 46.0680,

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

42.8336, 46.0680, 58.8590

Protanopia

44.6801, 45.8385, 57.5318

Deuteranopia

46.9536, 46.0750, 59.8447



Tritanopia

42.9479, 46.1137, 59.4606

Trichromacy



Original Color

42.8336, 46.0680, 58.8590

Protanomaly

43.8508, 45.6966, 58.1389

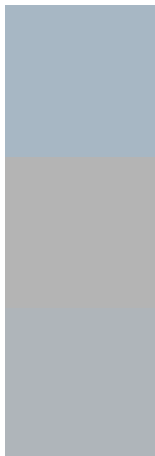
Deuteranomaly

45.4895, 46.2165, 59.3464

Tritanomaly

42.9479, 46.1137, 59.4606

Monochromacy



Original Color

42.8336, 46.0680, 58.8590

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.0660, 45.7069, 53.0069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8336, 46.0680, 58.8590 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(167, 183, 196)` looks like.

```
.text, #text, p{  
    color:rgb(167, 183, 196)  
}
```

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(167, 183, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 183, 196) }
```

Border

The CSS property to change the border of an element to XYZ 42.8336, 46.0680, 58.8590 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(167, 183, 196) }
```


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

```
.border{ border-color:rgb(167, 183, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 183, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 183, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 183, 196);  
box-shadow:4px 4px 4px 4px rgb(167, 183,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8336, 46.0680, 58.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 183, 196) }
```

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

```
.background{ background-color: rgb(167,  
183, 196) }
```

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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