

Converting Colors

XYZ(42.6998, 46.7142, 52.5104)

Have a look what the booklet for
XYZ(42.6998, 46.7142, 52.5104)
contains.

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Color

**XYZ(42.6835, 46.7468,
52.6723)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB9B9
RGB	170, 185, 185
RGB Percent	67%, 73%, 73%
CMY	0.3333, 0.2745, 0.2745
CMYK	0.08, 0.00, 0.00, 0.27
HSL	180°, 10%, 70%
HSV	180°, 8%, 73%
XYZ	42.6835, 46.7468, 52.6723
YIQ	180.5150, -8.9400, -3.1800

Conversions

Conversions Part 2

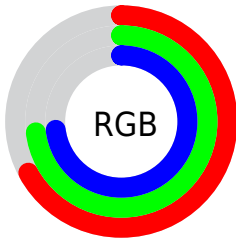
Format	Color
RYB	170, 178, 185
Decimal	11188665
CIELab	74.03, -5.16, -1.78
CIELCh	74, 5.456, 199.060
Yxy	46.7468, 0.3004, 0.3290
Android (android.graphics.Color)	4289378745 (0xFFAAB9B9)
YUV	180.5150, 2.2111, -9.2217
Hunter-Lab	68.3716, -8.2152, 2.1842

Details

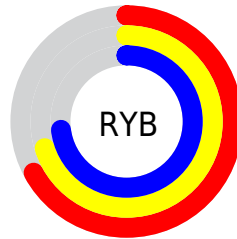
The XYZ color **42.6835, 46.7468, 52.6723** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.6397, 41.9673, 43.9383**, and the grayscale version is **43.6523, 45.9257, 50.0130**.

A 20% lighter version of the original color is **78.3838, 85.2690, 95.5464**, and **19.8873, 22.0200, 25.0319** is the 20% darker color. If you saturate the color by 10%, you get **38.9623, 44.8298, 52.4971**, and if you desaturate by 10%, it is **46.9703, 48.9579, 52.8759**.

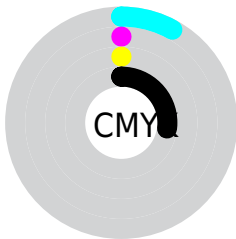
Distribution



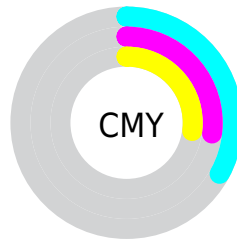
- Red (67%)
- Green (73%)
- Blue (73%)



- Red (67%)
- Yellow (70%)
- Blue (73%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6835, 46.7468, 52.6723 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 42.6835, 46.7468, 52.6723 by changing the saturation by 10% instead.

■ 42.6835, 46.7468,
52.6723

■ 42.6835, 46.7468,
52.6723

348.2522,
373.8030, 414.0572

■ 29.8303, 32.8355,
37.1553

■ 78.4917, 85.3356,
95.5586

■ 19.8573, 22.0005,
25.0310

102.1775,
110.7818, 123.7651

■ 12.3990, 13.8573,
15.8809

130.2048,
140.8419, 157.0384

■ 7.0901, 8.0215,
9.2865

162.9390,
175.9002, 195.7971

■ 3.5654, 4.1087,
4.8292

200.7455,
216.3410, 240.4598

■ 1.4593, 1.7345,
2.0904

243.9896,

■ 0.2979, 0.4459,

262.5488, 291.4450

0.6100

293.0367,
314.9080, 349.1713

■ 0.0000, 0.0000,
0.0000

■ 42.6835, 46.7468,
52.6723

■ 42.6835, 46.7468,
52.6723

■ 38.9623, 44.8298,
52.4971

■ 46.9703, 48.9579,
52.8759

■ 35.7791, 43.1888,
52.3461

■ 51.8405, 51.4686,
53.1059

■ 33.1105, 41.8131,
52.2191

■ 57.3165, 54.2915,
53.3642

■ 30.9292, 40.6887,
52.1150

■ 63.4179, 57.4369,
53.6518

■ 29.2060, 39.8004,
52.0323

■ 67.3489, 59.4633,
53.8378

■ 27.9082, 39.1314,
51.9695

■ 67.3493, 59.4635,
53.8399

■ 26.9988, 38.6626,
51.9249

■ 67.3497, 59.4637,
53.8419

■ 26.4347, 38.3719,
51.8965

■ 67.3501, 59.4638,
53.8440

■ 26.1472, 38.2237,
51.8810

■ 67.3505, 59.4640,
53.8461

Harmonies

Analogous

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



42.6167, 46.7468, 49.8875



42.6835, 46.7468, 52.6723



43.2147, 46.7468, 55.0624

Triad

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



42.6835, 46.7468, 52.6723



45.8622, 46.7468, 54.4980



44.7880, 46.7468, 45.8093

Complementary

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



42.6835, 46.7468, 52.6723



41.6397, 41.9673, 43.9383

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.



45.6708, 46.7468, 46.9515



42.6835, 46.7468, 52.6723



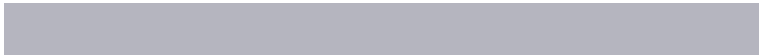
46.2970, 46.7468, 51.9247

Square

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



42.6835, 46.7468, 52.6723



45.0463, 46.7468, 56.1428



46.2264, 46.7468, 49.1666



43.8222, 46.7468, 45.9929

Rectangle

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



42.6835, 46.7468, 52.6723



43.7650, 46.7468, 56.0785



46.2264, 46.7468, 49.1666



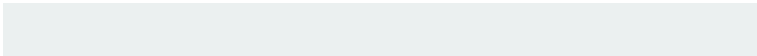
45.1046, 46.7468, 46.0492

Sweetspot

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



42.6848, 46.7488, 52.6733



80.9853, 86.0633, 94.5474



41.2377, 46.1762, 44.7704



17.4766, 18.5627, 20.3833



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



42.6848, 46.7488, 52.6733



74.9940, 82.9747, 94.2640



41.2066, 43.7917, 52.1821



9.2666, 10.2106, 11.5615



17.7732, 26.0102, 35.3230



0.6266, 0.9169, 1.2454

Inverse Universe

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



41.6397, 41.9673, 43.9383



72.6806, 72.3905, 74.9282



43.0366, 44.7614, 44.4025



9.0047, 9.0123, 9.3722



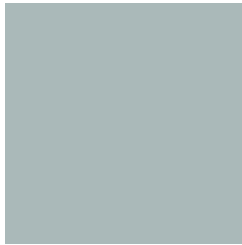
13.6235, 7.0232, 0.6385



0.4803, 0.2476, 0.0226

Previews

White Background



This preview shows how the XYZ color 42.6835, 46.7468, 52.6723 looks on a white background.

Color Contrast Check

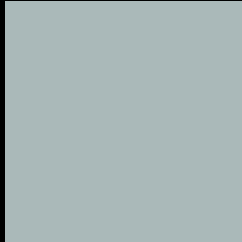
Large Text (above 18pt) WCAG AA × Fail

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 42.6835, 46.7468, 52.6723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

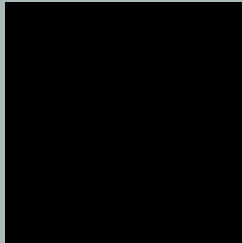
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

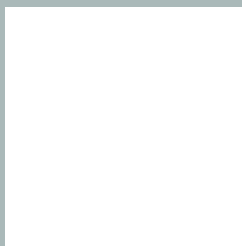
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6835, 46.7468, 52.6723

Background



This preview shows how black text looks on a background with the XYZ color 42.6835, 46.7468, 52.6723.



This preview shows how white text looks on a background with the XYZ color 42.6835, 46.7468,

52.6723.

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

42.6835, 46.7468, 52.6723

Protanopia

45.0787, 46.7809, 51.4535

Deuteranopia

47.5209, 46.5088, 53.4862



Tritanopia

44.1398, 46.7148, 60.1165

Trichromacy



Original Color

42.6835, 46.7468, 52.6723

Protanomaly

44.2021, 46.6199, 52.0162

Deuteranomaly

45.4765, 46.3502, 53.0040

Tritanomaly

43.5607, 46.7892, 57.1874

Monochromacy



Original Color

42.6835, 46.7468, 52.6723

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.3029, 46.1804, 50.8874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6835, 46.7468, 52.6723 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(170, 185, 185)` looks like.

```
.text, #text, p{  
    color:rgb(170, 185, 185)  
}
```

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(170, 185, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 185, 185) }
```

Border

The CSS property to change the border of an element to XYZ 42.6835, 46.7468, 52.6723 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(170, 185, 185) }
```


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

```
.border{ border-color:rgb(170, 185, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 185, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 185, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 185, 185);  
box-shadow:4px 4px 4px 4px rgb(170, 185,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6835, 46.7468, 52.6723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 185, 185) }
```

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

```
.background{ background-color: rgb(170,  
185, 185) }
```

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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