

Converting Colors

XYZ(46.8652, 43.5542, 90.1381)

Have a look what the booklet for
XYZ(46.8652, 43.5542, 90.1381)
contains.

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Color

**XYZ(46.9793, 43.7063,
89.9645)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAAF2
RGB	170, 170, 242
RGB Percent	67%, 67%, 95%
CMY	0.3333, 0.3333, 0.0510
CMYK	0.30, 0.30, 0.00, 0.05
HSL	240°, 73%, 81%
HSV	240°, 30%, 95%
XYZ	46.9793, 43.7063, 89.9645
YIQ	178.2080, -23.1120, 22.3920

Conversions

Conversions Part 2

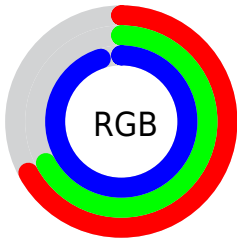
Format	Color
RYB	170, 170, 242
Decimal	11184882
CIELab	72.03, 15.88, -35.89
CIELCh	72, 39.250, 293.869
Yxy	43.7063, 0.2601, 0.2419
Android (android.graphics.Color)	4289374962 (0xFFAAAF2)
YUV	178.2080, 31.4495, -7.1984
Hunter-Lab	66.1107, 11.1510, -34.4052

Details

The XYZ color **46.9793, 43.7063, 89.9645** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **75.6267, 85.2846, 50.5075**, and the grayscale version is **42.2757, 44.4773, 48.4358**.

A 20% lighter version of the original color is **76.6538, 77.4013, 105.5076**, and **22.5438, 20.2150, 49.1681** is the 20% darker color. If you saturate the color by 10%, you get **38.0949, 33.0010, 88.3672**, and if you desaturate by 10%, it is **57.6646, 56.5813, 91.8872**.

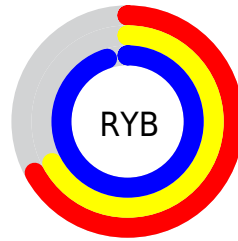
Distribution



Red (67%)

Green (67%)

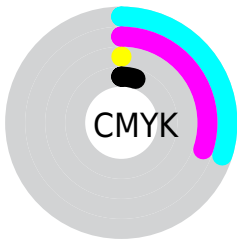
Blue (95%)



Red (67%)

Yellow (67%)

Blue (95%)

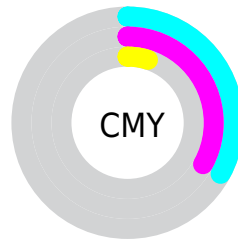


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (33%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9793, 43.7063, 89.9645 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 46.9793, 43.7063, 89.9645 by changing the saturation by 10% instead.

■ 46.9793, 43.7063,
89.9645

■ 46.9793, 43.7063,
89.9645

365.3822,
361.5084, 548.4825

■ 33.2272, 30.4397,
67.3777

■ 84.9017, 80.7756,
149.2242

■ 22.4606, 20.1726,
48.9281

109.8026,
105.3471, 186.7341

■ 14.3142, 12.5205,
34.1972

139.1505,
134.4557, 230.0554

■ 8.4227, 7.0992,
22.7666

173.3107,
168.4857, 279.6067

■ 4.4207, 3.5242,
14.2176

212.6487,
207.8216, 335.8065

■ 1.9428, 1.4112,
8.1317

257.5297,

■ 0.6015, 0.2249,

252.8477, 399.0734

4.0903

308.3190,
303.9486, 469.8259

■ 0.0000, 0.0000,
1.6750

■ 0.0000, 0.0000,
0.3435

■ 46.9793, 43.7063,
89.9645

■ 46.9793, 43.7063,
89.9645

■ 38.0949, 33.0010,
88.3672

■ 57.6646, 56.5813,
91.8872

■ 30.9080, 24.3414,
87.0745

■ 70.2376, 71.7309,
94.1487

■ 25.3120, 17.5985,
86.0680

■ 84.7847, 89.2593,
96.7653

■ 21.1861, 12.6271,
85.3258

■ 93.0272, 99.1909,
98.2479

■ 18.3924, 9.2608,
84.8233

■ 16.7667, 7.3019,
84.5309

■ 16.0412, 6.4278,
84.4004

■ 16.0272, 6.4109,
84.3979

Harmonies

Analogous

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



40.1798, 43.7063, 94.5448



46.9793, 43.7063, 89.9645



52.8475, 43.7063, 72.8460

Triad

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



46.9793, 43.7063, 89.9645



49.6157, 43.7063, 23.5643



29.9971, 43.7063, 43.7534

Complementary

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



46.9793, 43.7063, 89.9645



75.6267, 85.2846, 50.5075

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.



31.9753, 43.7063, 28.9702



46.9793, 43.7063, 89.9645



42.9337, 43.7063, 19.5099

Square

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



46.9793, 43.7063, 89.9645



54.4806, 43.7063, 34.1581



36.5404, 43.7063, 21.1815



30.8328, 43.7063, 64.1459

Rectangle

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



46.9793, 43.7063, 89.9645



55.1966, 43.7063, 58.6011



36.5404, 43.7063, 21.1815



30.3476, 43.7063, 38.0504

Sweetspot

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



46.9808, 43.7080, 89.9655



80.2156, 82.1256, 106.2317



64.1782, 78.3903, 94.8116



16.6930, 17.0042, 22.6523



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.



46.9808, 43.7080, 89.9655



46.3280, 41.2932, 100.1364



55.5248, 48.1126, 90.3654



14.8973, 15.2288, 19.8759



8.6098, 3.4439, 45.3388



0.7163, 0.2865, 3.7718

Inverse Universe

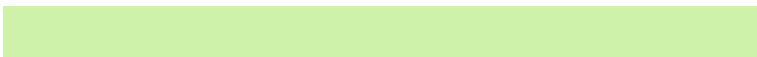
The Inverse Universe completely reimagines the original color for something new.



58.2497, 50.5305, 44.7152



61.0015, 50.1770, 41.2144



64.7971, 79.7018, 50.0007



15.7729, 15.7589, 16.3602



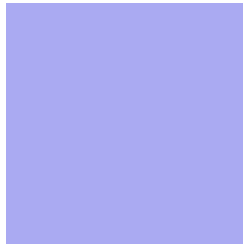
19.6715, 10.1410, 0.9206



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 46.9793, 43.7063, 89.9645 looks on a white background.

Color Contrast Check

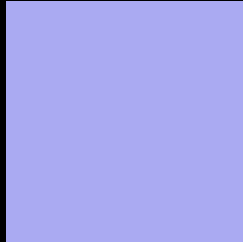
Large Text (above 18pt) WCAG AA × Fail

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 46.9793, 43.7063, 89.9645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

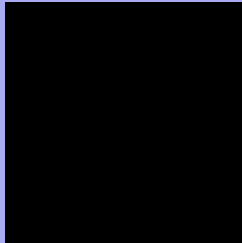
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9793, 43.7063, 89.9645

Background



This preview shows how black text looks on a background with the XYZ color 46.9793, 43.7063, 89.9645.



This preview shows how white text looks on a background with the XYZ color 46.9793, 43.7063,

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

46.9793, 43.7063, 89.9645

Protanopia

45.1351, 43.8332, 92.4680

Deuteranopia

44.9179, 43.7911, 89.3042



Tritanopia

40.3549, 43.6088, 57.3293

Trichromacy



Original Color

46.9793, 43.7063, 89.9645

Protanomaly

45.7699, 43.8924, 91.6477

Deuteranomaly

45.7210, 43.9194, 89.2866

Tritanomaly

42.5930, 43.6463, 67.8077

Monochromacy



Original Color

46.9793, 43.7063, 89.9645

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.5518, 43.9910, 61.4540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9793, 43.7063, 89.9645 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, 170, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 242)  
}
```

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, 170, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 242) }
```

Border

The CSS property to change the border of an element to XYZ 46.9793, 43.7063, 89.9645 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, 170, 242) }
```


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

```
.border{ border-color:rgb(170, 170, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 242);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9793, 43.7063, 89.9645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 242) }
```

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

```
.background{ background-color: rgb(170,  
170, 242) }
```

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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