

Converting Colors

XYZ(46.9624, 45.5908, 81.9260)

Have a look what the booklet for
XYZ(46.9624, 45.5908, 81.9260)
contains.

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Color

**XYZ(46.9624, 45.5908,
81.9260)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB0E7
RGB	172, 176, 231
RGB Percent	67%, 69%, 91%
CMY	0.3255, 0.3098, 0.0941
CMYK	0.26, 0.24, 0.00, 0.09
HSL	236°, 55%, 79%
HSV	236°, 26%, 91%
XYZ	46.9624, 45.5908, 81.9260
YIQ	181.0740, -20.0390, 16.2570

Conversions

Conversions Part 2

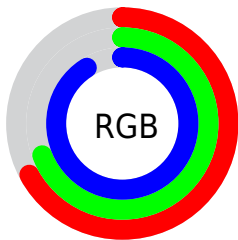
Format	Color
R_{YB}	172, 176, 231
Decimal	11317479
CIE _{Lab}	73.28, 10.46, -27.98
CIE _{LCh}	73, 29.868, 290.496
Yxy	45.5908, 0.2692, 0.2613
Android (android.graphics.Color)	4289507559 (0xFFACB0E7)
YUV	181.0740, 24.6135, -7.9579
Hunter-Lab	67.5210, 5.9892, -24.6744

Details

The XYZ color **46.9624, 45.5908, 81.9260** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.8712, 74.9062, 49.9124**, and the grayscale version is **43.8411, 46.1242, 50.2293**.

A 20% lighter version of the original color is **78.9015, 81.4272, 106.1662**, and **22.4167, 21.3620, 43.4992** is the 20% darker color. If you saturate the color by 10%, you get **38.4340, 35.4166, 80.4125**, and if you desaturate by 10%, it is **57.0447, 57.5624, 83.7061**.

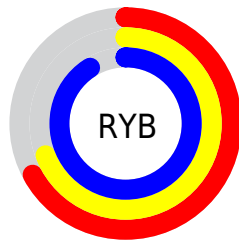
Distribution



Red (67%)

Green (69%)

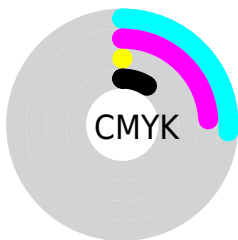
Blue (91%)



Red (67%)

Yellow (69%)

Blue (91%)

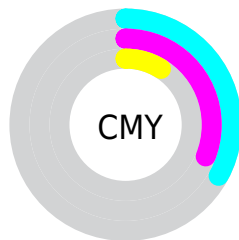


Cyan (26%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9624, 45.5908, 81.9260 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 46.9624, 45.5908, 81.9260 by changing the saturation by 10% instead.

■ 46.9624, 45.5908,
81.9260

■ 46.9624, 45.5908,
81.9260

365.3158,
369.1611, 521.2771

■ 33.2138, 31.9230,
60.7691

■ 84.8766, 83.6063,
137.9060

■ 22.4503, 21.3027,
43.6095

109.7728,
108.7227, 173.5661

■ 14.3066, 13.3455,
30.0287

139.1156,
138.4243, 214.8977

■ 8.4173, 7.6669,
19.6081

173.2704,
173.0952, 262.3194

■ 4.4172, 3.8825,
11.9293

212.6024,
213.1200, 316.2496

■ 1.9407, 1.6081,
6.5736

257.4771,

■ 0.6003, 0.3630,

258.8829, 377.1069

3.1225

308.2598,
310.7685, 445.3099

■ 0.0000, 0.0000,
1.1575

■ 0.0000, 0.0000,
0.0000

■ 46.9624, 45.5908,
81.9260

■ 46.9624, 45.5908,
81.9260

■ 38.4340, 35.4166,
80.4125

■ 57.0447, 57.5624,
83.7061

■ 31.3778, 26.9478,
79.1497

■ 68.7483, 71.4065,
85.7615

■ 25.7119, 20.0925,
78.1251

■ 82.1416, 87.2006,
88.1041

■ 21.3438, 14.7480,
77.3238

■ 91.4239, 98.5496,
89.8055

■ 18.1705, 10.7997,
76.7289

■ 16.0727, 8.1167,
76.3216

■ 14.9063, 6.5428,
76.0793

■ 14.6043, 6.1303,
76.0156

Harmonies

Analogous

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



41.6879, 45.5908, 83.9429



46.9624, 45.5908, 81.9260



51.5934, 45.5908, 70.3854

Triad

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



46.9624, 45.5908, 81.9260



50.0734, 45.5908, 30.5161



34.1236, 45.5908, 45.0203

Complementary

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



46.9624, 45.5908, 81.9260



67.8712, 74.9062, 49.9124

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.



36.0045, 45.5908, 33.4340



46.9624, 45.5908, 81.9260



45.0202, 45.5908, 26.2468

Square

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



46.9624, 45.5908, 81.9260



53.4877, 45.5908, 40.1947



39.8950, 45.5908, 27.1947



34.5519, 45.5908, 60.4614

Rectangle

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



46.9624, 45.5908, 81.9260



53.5564, 45.5908, 59.9272



39.8950, 45.5908, 27.1947



34.5006, 45.5908, 40.6041

Sweetspot

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



46.9639, 45.5926, 81.9270



82.1697, 84.7954, 106.6441



59.3292, 71.4190, 82.6706



17.1019, 17.5754, 22.7410



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.



46.9639, 45.5926, 81.9270



52.5302, 49.6183, 101.4164



52.0946, 47.0902, 81.9457



13.6609, 14.0432, 18.1349



8.2189, 3.4999, 42.6255



0.6351, 0.3141, 3.1591

Inverse Universe

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



55.5452, 49.6300, 47.7281



65.1279, 55.6400, 51.1901



61.5928, 73.3129, 49.9358



14.4164, 14.3838, 15.1274



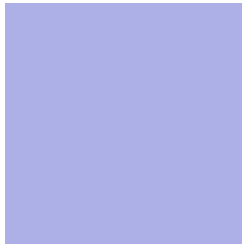
18.5420, 9.5510, 1.2174



1.3842, 0.7114, 0.1637

Previews

White Background



This preview shows how the XYZ color 46.9624, 45.5908, 81.9260 looks on a white background.

Color Contrast Check

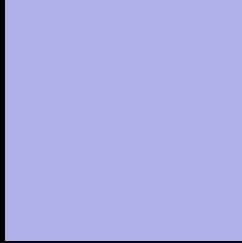
Large Text (above 18pt) WCAG AA × Fail

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 46.9624, 45.5908, 81.9260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

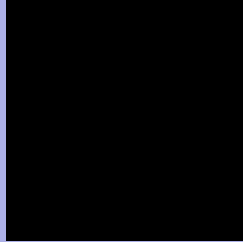
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9624, 45.5908, 81.9260

Background



This preview shows how black text looks on a background with the XYZ color 46.9624, 45.5908, 81.9260.



This preview shows how white text looks on a background with the XYZ color 46.9624, 45.5908,

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

46.9624, 45.5908, 81.9260

Protanopia

46.2118, 45.7740, 82.7436

Deuteranopia

46.7235, 45.7599, 81.9712



Tritanopia

42.3230, 45.4864, 59.3724

Trichromacy



Original Color

46.9624, 45.5908, 81.9260

Protanomaly

46.4361, 45.5953, 82.6973

Deuteranomaly

46.9405, 45.8717, 81.9814

Tritanomaly

43.9783, 45.5708, 66.7997

Monochromacy



Original Color

46.9624, 45.5908, 81.9260

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.7890, 45.8287, 60.5180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9624, 45.5908, 81.9260 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(172, 176, 231)` looks like.

```
.text, #text, p{  
    color:rgb(172, 176, 231)  
}
```

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(172, 176, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 176, 231) }
```

Border

The CSS property to change the border of an element to XYZ 46.9624, 45.5908, 81.9260 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(172, 176, 231) }
```


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

```
.border{ border-color:rgb(172, 176, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 176, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 176, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 176, 231);  
box-shadow:4px 4px 4px 4px rgb(172, 176,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9624, 45.5908, 81.9260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 176, 231) }
```

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

```
.background{ background-color: rgb(172,  
176, 231) }
```

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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