

Converting Colors

XYZ(46.5015, 46.1552, 72.9108)

Have a look what the booklet for
XYZ(46.5015, 46.1552, 72.9108)
contains.

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Color

**XYZ(46.4798, 46.1329,
72.7844)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B2DA
RGB	176, 178, 218
RGB Percent	69%, 70%, 85%
CMY	0.3098, 0.3019, 0.1451
CMYK	0.19, 0.18, 0.00, 0.15
HSL	237°, 36%, 77%
HSV	237°, 19%, 85%
XYZ	46.4798, 46.1329, 72.7844
YIQ	181.9620, -14.0320, 12.0160

Conversions

Conversions Part 2

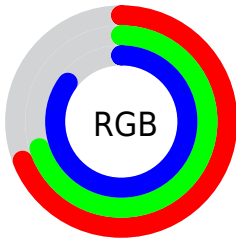
Format	Color
R _Y B	176, 178, 218
Decimal	11580122
CIE Lab	73.63, 7.58, -20.34
CIE LCh	74, 21.702, 290.443
Yxy	46.1329, 0.2810, 0.2789
Android (android.graphics.Color)	4289770202 (0xFFB0B2DA)
YUV	181.9620, 17.7667, -5.2287
Hunter-Lab	67.9212, 3.2889, -15.9904

Details

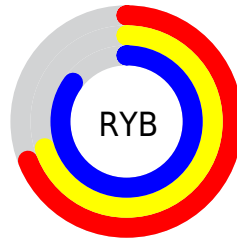
The XYZ color **46.4798, 46.1329, 72.7844** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.3061, 67.1516, 50.8059**, and the grayscale version is **44.3558, 46.6657, 50.8190**.

A 20% lighter version of the original color is **80.7515, 83.2214, 106.4150**, and **22.1129, 21.5225, 37.6391** is the 20% darker color. If you saturate the color by 10%, you get **38.1181, 36.1481, 71.2986**, and if you desaturate by 10%, it is **56.2611, 57.7798, 74.5177**.

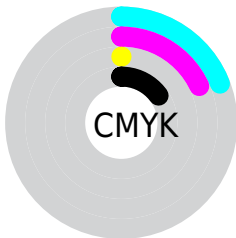
Distribution



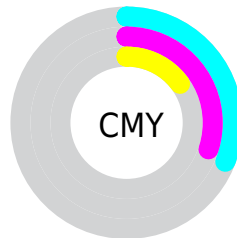
- Red (69%)
- Green (70%)
- Blue (85%)



- Red (69%)
- Yellow (70%)
- Blue (85%)



- Cyan (19%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (30%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4798, 46.1329, 72.7844 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 46.4798, 46.1329, 72.7844 by changing the saturation by 10% instead.

■ 46.4798, 46.1329,
72.7844

■ 46.4798, 46.1329,
72.7844

363.4179,
371.3427, 489.3180

■ 32.8308, 32.3507,
53.3089

■ 84.1601, 84.4179,
124.8892

■ 22.1555, 21.6295,
37.6600

108.9221,
109.6894, 158.3556

■ 14.0884, 13.5849,
25.4192

138.1192,
139.5595, 197.3227

■ 8.2643, 7.8325,
16.1678

172.1167,
174.4127, 242.2090

■ 4.3178, 3.9880,
9.4873

211.2800,
214.6331, 293.4332

■ 1.8834, 1.6668,
4.9592

255.9743,

■ 0.5672, 0.4021,

260.6054, 351.4137

2.1650

306.5652,
312.7138, 416.5691

■ 0.0000, 0.0000,
0.6541

■ 0.0000, 0.0000,
0.0000

■ 46.4798, 46.1329,
72.7844

■ 46.4798, 46.1329,
72.7844

■ 38.1181, 36.1481,
71.2986

■ 56.2611, 57.7798,
74.5177

■ 31.1059, 27.7444,
70.0461

■ 67.5191, 71.1537,
76.5058

■ 25.3739, 20.8423,
69.0160

■ 80.3130, 86.3232,
78.7595

■ 20.8444, 15.3532,
68.1952

■ 89.6550, 97.8420,
80.4904

■ 17.4319, 11.1795,
67.5695

■ 15.0392, 8.2108,
67.1225

■ 13.5526, 6.3188,
66.8357

■ 12.8055, 5.3332,
66.6849

■ 12.7678, 5.2876,
66.6780

Harmonies

Analogous

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



42.6325, 46.1329, 74.1231



46.4798, 46.1329, 72.7844



49.7953, 46.1329, 64.9494

Triad

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



46.4798, 46.1329, 72.7844



48.7242, 46.1329, 35.6177



36.9574, 46.1329, 46.7986

Complementary

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



46.4798, 46.1329, 72.7844



61.3061, 67.1516, 50.8059

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.



38.3940, 46.1329, 37.9230



46.4798, 46.1329, 72.7844



45.0863, 46.1329, 32.1188

Square

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



46.4798, 46.1329, 72.7844



51.1427, 46.1329, 43.1960



41.3173, 46.1329, 32.8961



37.2820, 46.1329, 57.9909

Rectangle

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



46.4798, 46.1329, 72.7844



51.1860, 46.1329, 57.6532



41.3173, 46.1329, 32.8961



37.2470, 46.1329, 43.4746

Sweetspot

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



46.4812, 46.1348, 72.7854



85.1700, 88.2660, 107.1558



55.3586, 64.3265, 74.3973



18.0099, 18.6311, 22.8969



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.



46.4812, 46.1348, 72.7854



61.3630, 59.9165, 102.9386



50.6611, 47.7026, 72.8678



12.3882, 12.7162, 16.4537



7.6713, 3.2120, 39.9541



0.5149, 0.2440, 2.5944

Inverse Universe

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



52.4758, 49.1717, 48.8469



71.3847, 65.0282, 62.9107



56.4885, 65.4340, 50.7283



13.0811, 13.0615, 13.6882



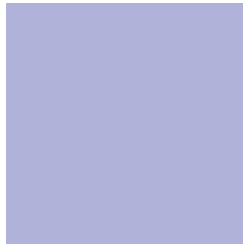
17.3675, 8.9480, 1.0491



1.1342, 0.5833, 0.1156

Previews

White Background



This preview shows how the XYZ color 46.4798, 46.1329, 72.7844 looks on a white background.

Color Contrast Check

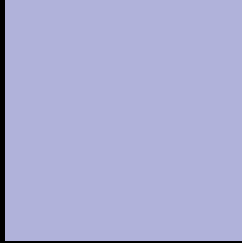
Large Text (above 18pt) WCAG AA × Fail

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 46.4798, 46.1329, 72.7844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

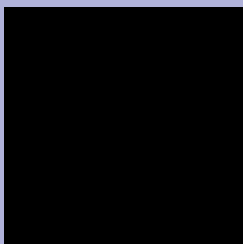
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4798, 46.1329, 72.7844

Background



This preview shows how black text looks on a background with the XYZ color 46.4798, 46.1329, 72.7844.



This preview shows how white text looks on a background with the XYZ color 46.4798, 46.1329,

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

46.4798, 46.1329, 72.7844

Protanopia

45.9195, 46.1253, 73.5007

Deuteranopia

47.1994, 46.2095, 72.7613



Tritanopia

43.7050, 46.2121, 58.8409

Trichromacy



Original Color

46.4798, 46.1329, 72.7844

Protanomaly

46.1399, 46.2389, 73.5110

Deuteranomaly

46.9674, 46.0899, 72.7505

Tritanomaly

44.6565, 46.2916, 63.7083

Monochromacy



Original Color

46.4798, 46.1329, 72.7844

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.1966, 46.6912, 58.2599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4798, 46.1329, 72.7844 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(176, 178, 218)` looks like.

```
.text, #text, p{  
    color:rgb(176, 178, 218)  
}
```

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(176, 178, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 178, 218) }
```

Border

The CSS property to change the border of an element to XYZ 46.4798, 46.1329, 72.7844 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(176, 178, 218) }
```


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

```
.border{ border-color:rgb(176, 178, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 178, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 178, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 178, 218);  
box-shadow:4px 4px 4px 4px rgb(176, 178,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4798, 46.1329, 72.7844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 178, 218) }
```

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

```
.background{ background-color: rgb(176,  
178, 218) }
```

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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