

Converting Colors

XYZ(46.2775, 43.1671, 76.7001)

Have a look what the booklet for
XYZ(46.2775, 43.1671, 76.7001)
contains.

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Color

**XYZ(46.2796, 43.0904,
76.3991)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A8E0
RGB	180, 168, 224
RGB Percent	71%, 66%, 88%
CMY	0.2941, 0.3412, 0.1216
CMYK	0.20, 0.25, 0.00, 0.12
HSL	253°, 47%, 77%
HSV	253°, 25%, 88%
XYZ	46.2796, 43.0904, 76.3991
YIQ	177.9720, -10.8240, 19.9600

Conversions

Conversions Part 2

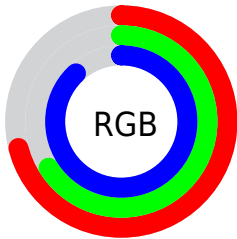
Format	Color
RYB	180, 168, 224
Decimal	11839712
CIELab	71.62, 15.70, -26.66
CIELCh	72, 30.939, 300.496
Yxy	43.0904, 0.2792, 0.2599
Android (android.graphics.Color)	4290029792 (0xFFB4A8E0)
YUV	177.9720, 22.6918, 1.7786
Hunter-Lab	65.6433, 10.9697, -23.0545

Details

The XYZ color **46.2796, 43.0904, 76.3991** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.8762, 70.1365, 47.3769**, and the grayscale version is **42.1912, 44.3884, 48.3390**.

A 20% lighter version of the original color is **79.0297, 77.8282, 105.4648**, and **22.0110, 19.7910, 40.1961** is the 20% darker color. If you saturate the color by 10%, you get **38.6547, 33.5412, 74.9585**, and if you desaturate by 10%, it is **55.1399, 54.3359, 78.1034**.

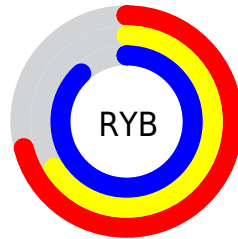
Distribution



Red (71%)

Green (66%)

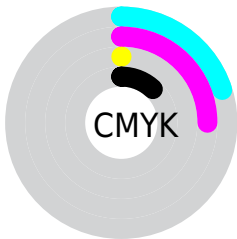
Blue (88%)



Red (71%)

Yellow (66%)

Blue (88%)

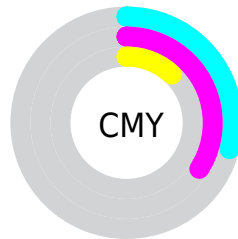


Cyan (20%)

Magenta (25%)

Yellow (0%)

Black (12%)



Cyan (29%)

Magenta (34%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2796, 43.0904, 76.3991 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 46.2796, 43.0904, 76.3991 by changing the saturation by 10% instead.

■ 46.2796, 43.0904,
76.3991

■ 46.2796, 43.0904,
76.3991

362.6287,
358.9834, 502.0959

■ 32.6721, 29.9561,
56.2512

■ 83.8626, 79.8473,
130.0562

■ 22.0334, 19.8052,
39.9990

■ 108.5688,
104.2386, 164.4024

■ 13.9982, 12.2535,
27.2240

137.7052,
133.1510, 204.3185

■ 8.2011, 6.9166,
17.5076

171.6373,
166.9689, 250.2230

■ 4.2768, 3.4100,
10.4313

210.7303,
206.0767, 302.5345

■ 1.8599, 1.3493,
5.5765

255.3496,

■ 0.5534, 0.1789,

250.8588, 361.6714

2.5247

305.8607,
301.6995, 428.0524

■ 0.0000, 0.0000,
0.8532

■ 0.0000, 0.0000,
0.0000

■ 46.2796, 43.0904,
76.3991

■ 46.2796, 43.0904,
76.3991

■ 38.6547, 33.5412,
74.9585

■ 55.1399, 54.3359,
78.1034

■ 32.2051, 25.6001,
73.7657

■ 65.2837, 67.3497,
80.0807

■ 26.8717, 19.1786,
72.8073

■ 76.7617, 82.2061,
82.3433

■ 22.5887, 14.1776,
72.0677

■ 88.7840, 97.3006,
84.6232

■ 19.2827, 10.4859,
71.5294

■ 90.4547, 98.1619,
84.7014

■ 16.8704, 7.9752,
71.1719

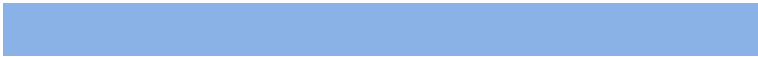
■ 15.2527, 6.4899,
70.9705

■ 14.6735, 6.0102,
70.9084

Harmonies

Analogous

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



41.0434, 43.0904, 82.0511



46.2796, 43.0904, 76.3991



50.3560, 43.0904, 62.5952

Triad

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



46.2796, 43.0904, 76.3991



46.1160, 43.0904, 26.0353



31.6928, 43.0904, 47.1682

Complementary

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



46.2796, 43.0904, 76.3991



60.8762, 70.1365, 47.3769

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.



32.8055, 43.0904, 34.1049



46.2796, 43.0904, 76.3991



40.8690, 43.0904, 23.5923

Square

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



46.2796, 43.0904, 76.3991



50.2560, 43.0904, 33.7566



36.0574, 43.0904, 26.2042



32.8807, 43.0904, 63.1207

Rectangle

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



46.2796, 43.0904, 76.3991



51.7074, 43.0904, 51.8407



36.0574, 43.0904, 26.2042



31.8091, 43.0904, 42.3175

Sweetspot

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



46.2810, 43.0922, 76.4001



84.6447, 86.5716, 106.8565



53.3483, 61.1959, 79.5220



17.9343, 18.2944, 22.8359



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.



46.2810, 43.0922, 76.4001



56.5478, 50.8478, 101.4420



53.2466, 46.6830, 76.7261



13.2252, 13.3841, 17.2740



8.6199, 3.5390, 41.2771



0.6728, 0.2841, 2.8646

Inverse Universe

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



56.6281, 48.6077, 68.6865



72.7822, 59.5090, 89.0085



53.6843, 66.4290, 47.0403



14.1627, 13.8827, 16.6268



22.4987, 11.0665, 25.0895



1.5912, 0.7798, 1.9062

Previews

White Background



This preview shows how the XYZ color 46.2796, 43.0904, 76.3991 looks on a white background.

Color Contrast Check

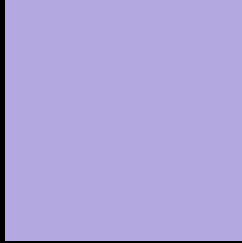
Large Text (above 18pt) WCAG AA × Fail

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 46.2796, 43.0904, 76.3991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

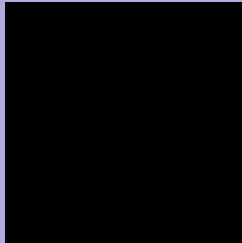
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2796, 43.0904, 76.3991

Background



This preview shows how black text looks on a background with the XYZ color 46.2796, 43.0904, 76.3991.



This preview shows how white text looks on a background with the XYZ color 46.2796, 43.0904,

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

46.2796, 43.0904, 76.3991

Protanopia

43.6451, 43.0656, 79.4109

Deuteranopia

44.0082, 43.0483, 75.8017



Tritanopia

41.8626, 43.2895, 53.7263

Trichromacy



Original Color

46.2796, 43.0904, 76.3991

Protanomaly

44.5765, 42.9967, 78.6228

Deuteranomaly

44.8955, 43.2242, 75.7889

Tritanomaly

43.1996, 42.9522, 61.2721

Monochromacy



Original Color

46.2796, 43.0904, 76.3991

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.5768, 43.7959, 57.7865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2796, 43.0904, 76.3991 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(180, 168, 224)` looks like.

```
.text, #text, p{  
    color:rgb(180, 168, 224)  
}
```

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(180, 168, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 168, 224) }
```

Border

The CSS property to change the border of an element to XYZ 46.2796, 43.0904, 76.3991 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(180, 168, 224) }
```


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

```
.border{ border-color:rgb(180, 168, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 168, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 168, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 168, 224);  
box-shadow:4px 4px 4px 4px rgb(180, 168,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2796, 43.0904, 76.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 168, 224) }
```

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

```
.background{ background-color: rgb(180,  
168, 224) }
```

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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