

Converting Colors

XYZ(48.2267, 42.9585, 76.5558)

Have a look what the booklet for
XYZ(48.2267, 42.9585, 76.5558)
contains.

XYZ(48.2159, 43.0091, 76.2813)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.2159, 43.0091,
76.2813)**

Conversions

Conversions Part 1

Format	Color
Hex	BFA4E0
RGB	191, 164, 224
RGB Percent	75%, 64%, 88%
CMY	0.2510, 0.3568, 0.1216
CMYK	0.15, 0.27, 0.00, 0.12
HSL	267°, 49%, 76%
HSV	267°, 27%, 88%
XYZ	48.2159, 43.0091, 76.2813
YIQ	178.9130, -3.1680, 24.3840

Conversions

Conversions Part 2

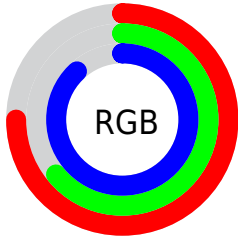
Format	Color
RYB	191, 164, 224
Decimal	12559584
CIELab	71.56, 21.35, -26.66
CIElCh	72, 34.157, 308.686
Yxy	43.0091, 0.2878, 0.2568
Android (android.graphics.Color)	4290749664 (0xFFBFA4E0)
YUV	178.9130, 22.2279, 10.6003
Hunter-Lab	65.5813, 16.4673, -23.0566

Details

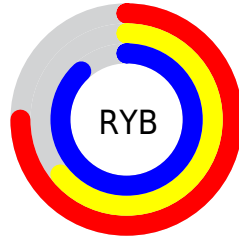
The XYZ color **48.2159, 43.0091, 76.2813** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.3837, 67.8629, 45.2510**, and the grayscale version is **42.6892, 44.9124, 48.9096**.

A 20% lighter version of the original color is **82.0929, 77.8395, 105.3055**, and **23.2721, 19.7713, 40.1258** is the 20% darker color. If you saturate the color by 10%, you get **41.5859, 34.1561, 74.9226**, and if you desaturate by 10%, it is **55.8154, 53.4120, 77.8894**.

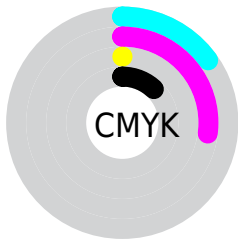
Distribution



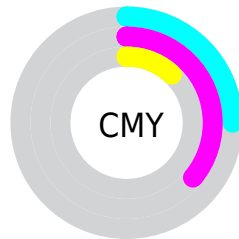
- Red (75%)
- Green (64%)
- Blue (88%)



- Red (75%)
- Yellow (64%)
- Blue (88%)



- Cyan (15%)
- Magenta (27%)
- Yellow (0%)
- Black (12%)





- Cyan (25%)
- Magenta (36%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2159, 43.0091, 76.2813 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 48.2159, 43.0091, 76.2813 by changing the saturation by 10% instead.


 48.2159, 43.0091,
76.2813


 48.2159, 43.0091,
76.2813

370.2156,
358.6492, 501.6825

 34.2099, 29.8923,
56.1552


 86.7335, 79.7246,
129.8882

 23.2185, 19.7568,
39.9225


 111.9758,
104.0920, 164.2060

 14.8765, 12.2184,
27.1648


141.6942,
132.9785, 204.0915

 8.8185, 6.8926,
17.4635

176.2541,
166.7683, 249.9632

 4.6792, 3.3950,
10.4001

216.0209,
205.8458, 302.2396

 2.0931, 1.3413,
5.5560

261.3598,

 0.6854, 0.1728,

250.5956, 361.3392

2.5126

312.6363,
301.4019, 427.6807

■ 0.0000, 0.0000,
0.8468

■ 0.0000, 0.0000,
0.0000

■ 48.2159, 43.0091,
76.2813

■ 48.2159, 43.0091,
76.2813

■ 41.5859, 34.1561,
74.9226

■ 55.8154, 53.4120,
77.8894

■ 35.8777, 26.7703,
73.7979

■ 64.4205, 65.4313,
79.7558

■ 31.0457, 20.7692,
72.8942

■ 74.0709, 79.1360,
81.8925

■ 27.0381, 16.0597,
72.1964

■ 84.8023, 94.5894,
84.3097

■ 23.7972, 12.5368,
71.6872

■ 89.5783, 97.7101,
84.6603

■ 21.2561, 10.0780,
71.3466

■ 90.4547, 98.1619,
84.7013

■ 19.3306, 8.5271,
71.1487

■ 18.7991, 8.1370,
71.1014

Harmonies

Analogous

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



42.5779, 43.0091, 85.8026



48.2159, 43.0091, 76.2813



52.1147, 43.0091, 59.3596

Triad

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



48.2159, 43.0091, 76.2813



45.0473, 43.0091, 23.0208



30.8597, 43.0091, 51.7955

Complementary

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



48.2159, 43.0091, 76.2813



56.3837, 67.8629, 45.2510

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.



31.3865, 43.0091, 36.2000



48.2159, 43.0091, 76.2813



39.2256, 43.0091, 21.9119

Square

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



48.2159, 43.0091, 76.2813



50.1688, 43.0091, 29.6391



34.3267, 43.0091, 26.1419



32.8129, 43.0091, 69.6394

Rectangle

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



48.2159, 43.0091, 76.2813



53.0089, 43.0091, 47.5625



34.3267, 43.0091, 26.1419



30.7567, 43.0091, 46.1042

Sweetspot

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



48.2173, 43.0109, 76.2823



84.8758, 85.6016, 106.6571



48.9599, 53.6640, 78.2994



17.7792, 17.7779, 22.7444



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.



48.2173, 43.0109, 76.2823



59.6828, 50.9800, 101.3022



56.2464, 47.1500, 76.6580



13.5348, 13.5437, 17.2885



11.0707, 4.8025, 41.3918



0.8694, 0.3855, 2.8738

Inverse Universe

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



54.0953, 46.4311, 58.9358



68.9520, 56.3774, 73.7699



49.5064, 64.3175, 44.9291



14.0211, 13.8261, 15.8813



20.0403, 10.0831, 12.1439



1.4340, 0.7169, 1.0785

Previews

White Background



This preview shows how the XYZ color 48.2159, 43.0091, 76.2813 looks on a white background.

Color Contrast Check

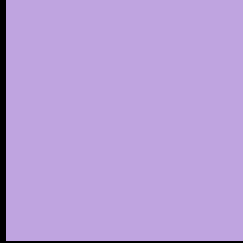
Large Text (above 18pt) WCAG AA × Fail

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 48.2159, 43.0091, 76.2813 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 48.2159, 43.0091, 76.2813

Background



This preview shows how black text looks on a background with the XYZ color 48.2159, 43.0091, 76.2813.



This preview shows how white text looks on a background with the XYZ color 48.2159, 43.0091,

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

48.2159, 43.0091, 76.2813

Protanopia

43.8646, 43.1302, 81.6144

Deuteranopia

44.0858, 43.1038, 75.1035



Tritanopia

43.3274, 42.9429, 51.9041

Trichromacy



Original Color

48.2159, 43.0091, 76.2813

Protanomaly

45.1729, 43.0088, 79.3195

Deuteranomaly

45.4117, 42.9338, 75.7056

Tritanomaly

44.8050, 42.6936, 59.9120

Monochromacy



Original Color

48.2159, 43.0091, 76.2813

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.5148, 44.2795, 57.8304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2159, 43.0091, 76.2813 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(191, 164, 224)` looks like.

```
.text, #text, p{  
    color:rgb(191, 164, 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(191, 164, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 164, 224) }
```

Border

The CSS property to change the border of an element to XYZ 48.2159, 43.0091, 76.2813 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(191, 164, 224) }
```


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

```
.border{ border-color:rgb(191, 164, 224) }
```

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

Here you see how a box with a 4 pixel rgb(191, 164, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 164, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 164, 224);  
box-shadow:4px 4px 4px 4px rgb(191, 164,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2159, 43.0091, 76.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 164, 224) }
```

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

```
.background{ background-color: rgb(191,  
164, 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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