

Converting Colors

XYZ(52.6728, 48.1337, 78.6509)

Have a look what the booklet for
XYZ(52.6728, 48.1337, 78.6509)
contains.

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Color

**XYZ(52.6829, 48.0425,
78.4479)**

Conversions

Conversions Part 1

Format	Color
Hex	C8AEE2
RGB	200, 174, 226
RGB Percent	78%, 68%, 89%
CMY	0.2157, 0.3176, 0.1137
CMYK	0.12, 0.23, 0.00, 0.11
HSL	270°, 47%, 78%
HSV	270°, 23%, 89%
XYZ	52.6829, 48.0425, 78.4479
YIQ	187.7020, -1.1960, 21.6840

Conversions

Conversions Part 2

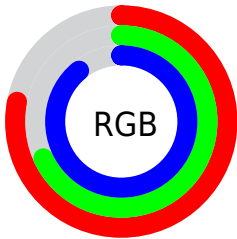
Format	Color
R _Y B	200, 174, 226
Decimal	13151970
CIE Lab	74.85, 19.12, -22.66
CIE LCh	75, 29.644, 310.162
Yxy	48.0425, 0.2940, 0.2681
Android (android.graphics.Color)	4291342050 (0xFFC8AEE2)
YUV	187.7020, 18.8809, 10.7853
Hunter-Lab	69.3127, 14.3763, -18.5854

Details

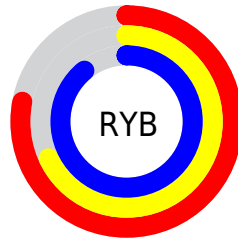
The XYZ color **52.6829, 48.0425, 78.4479** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.6575, 69.7293, 50.4143**, and the grayscale version is **47.5291, 50.0043, 54.4547**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **26.0421, 22.7260, 41.5421** is the 20% darker color. If you saturate the color by 10%, you get **45.7716, 38.5353, 76.9778**, and if you desaturate by 10%, it is **60.5548, 59.1378, 80.1754**.

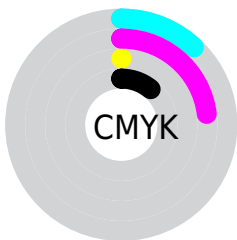
Distribution



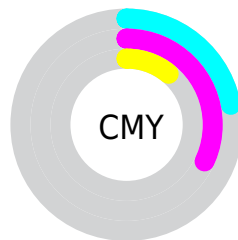
- Red (78%)
- Green (68%)
- Blue (89%)



- Red (78%)
- Yellow (68%)
- Blue (89%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (11%)





- Cyan (22%)
- Magenta (32%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6829, 48.0425, 78.4479 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 52.6829, 48.0425, 78.4479 by changing the saturation by 10% instead.


 52.6829, 48.0425,
78.4479

 52.6829, 48.0425,
78.4479


387.3482,
378.9606, 509.2548

 37.7762, 33.8605,
57.9234


 93.3059, 87.2677,
132.9729

 25.9854, 22.7865,
41.3327


119.7528,
113.0797, 167.8105

 16.9454, 14.4359,
28.2575

150.7772,
143.5372, 208.2562

 10.2906, 8.4245,
18.2791

186.7444,
179.0245, 254.7285

 5.6558, 4.3677,
10.9791

228.0197,
219.9262, 307.6459

 2.6756, 1.8813,
5.9388

274.9685,

 0.9846, 0.5371,

266.6264, 367.4271

2.7397

327.9562,
319.5098, 434.4906

■ 0.0000, 0.0000,
0.9633

■ 0.0000, 0.0000,
0.0000

■ 52.6829, 48.0425,
78.4479

■ 52.6829, 48.0425,
78.4479

■ 45.7716, 38.5353,
76.9778

■ 60.5548, 59.1378,
80.1754

■ 39.7750, 30.5343,
75.7496

■ 69.4217, 71.8859,
82.1687

■ 34.6496, 23.9591,
74.7505

■ 79.3216, 86.3553,
84.4398

■ 30.3464, 18.7192,
73.9659

■ 87.2149, 96.4602,
85.9742

■ 26.8109, 14.7133,
73.3791

■ 90.7276, 98.2710,
86.1386

■ 23.9805, 11.8248,
72.9707

■ 21.7809, 9.9134,
72.7177

■ 20.5371, 9.0015,
72.6072

Harmonies

Analogous

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



47.5170, 48.0425, 87.3270



52.6829, 48.0425, 78.4479



56.1287, 48.0425, 63.0503

Triad

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



52.6829, 48.0425, 78.4479



49.2734, 48.0425, 29.0517



36.1973, 48.0425, 57.7266

Complementary

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



52.6829, 48.0425, 78.4479



58.6575, 69.7293, 50.4143

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.



36.5865, 48.0425, 42.8646



52.6829, 48.0425, 78.4479



43.8578, 48.0425, 28.1844

Square

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



52.6829, 48.0425, 78.4479



54.0554, 48.0425, 35.3987



39.2961, 48.0425, 32.7376



38.1875, 48.0425, 73.8973

Rectangle

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



52.6829, 48.0425, 78.4479



56.8378, 48.0425, 52.2264



39.2961, 48.0425, 32.7376



36.0581, 48.0425, 52.3939

Sweetspot

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



52.6844, 48.0445, 78.4490



86.4099, 87.4816, 106.9391



52.0404, 56.2027, 80.0576



18.3425, 18.5048, 22.8550



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.



52.6844, 48.0445, 78.4490



64.4108, 56.4414, 102.1072



59.9578, 51.7941, 78.7894



13.6017, 13.5782, 17.2917



11.8533, 5.2059, 41.4285



0.9249, 0.4141, 2.8764

Inverse Universe

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



56.9271, 50.6131, 61.4149



71.1234, 60.5054, 75.1562



52.4874, 66.5485, 50.1255



13.9916, 13.8143, 15.7261



19.6538, 9.9285, 10.1084



1.4075, 0.7063, 0.9387

Previews

White Background



This preview shows how the XYZ color 52.6829, 48.0425, 78.4479 looks on a white background.

Color Contrast Check

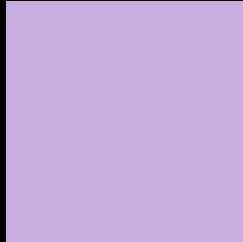
Large Text (above 18pt) WCAG AA × Fail

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 52.6829, 48.0425, 78.4479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

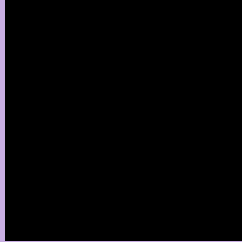
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.6829, 48.0425, 78.4479

Background



This preview shows how black text looks on a background with the XYZ color 52.6829, 48.0425, 78.4479.



This preview shows how white text looks on a background with the XYZ color 52.6829, 48.0425,

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

52.6829, 48.0425, 78.4479

Protanopia

48.3067, 48.0527, 83.0730

Deuteranopia

49.2033, 48.0238, 77.9104



Tritanopia

48.5645, 48.1397, 57.7712

Trichromacy



Original Color

52.6829, 48.0425, 78.4479

Protanomaly

49.6944, 47.8985, 81.4891

Deuteranomaly

50.4973, 48.0958, 77.8561

Tritanomaly

50.0869, 48.1673, 65.0499

Monochromacy



Original Color

52.6829, 48.0425, 78.4479

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.3324, 49.3377, 62.8001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6829, 48.0425, 78.4479 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(200, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(200, 174, 226)  
}
```

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(200, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 174, 226) }
```

Border

The CSS property to change the border of an element to XYZ 52.6829, 48.0425, 78.4479 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(200, 174, 226) }
```


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

```
.border{ border-color:rgb(200, 174, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 174, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 174, 226);  
box-shadow:4px 4px 4px 4px rgb(200, 174,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6829, 48.0425, 78.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 174, 226) }
```

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

```
.background{ background-color: rgb(200,  
174, 226) }
```

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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