

Converting Colors

XYZ(48.8394, 41.6979, 62.3294)

Have a look what the booklet for
XYZ(48.8394, 41.6979, 62.3294)
contains.

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Color

**XYZ(48.9685, 41.8835,
62.6301)**

Conversions

Conversions Part 1

Format	Color
Hex	D09DCC
RGB	208, 157, 204
RGB Percent	82%, 62%, 80%
CMY	0.1843, 0.3843, 0.2000
CMYK	0.00, 0.25, 0.02, 0.18
HSL	305°, 35%, 72%
HSV	305°, 25%, 82%
XYZ	48.9685, 41.8835, 62.6301
YIQ	177.6070, 15.3090, 25.4290

Conversions

Conversions Part 2

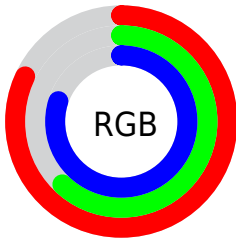
Format	Color
R _{YB}	208, 157, 204
Decimal	13671884
CIE Lab	70.79, 26.74, -16.69
CIE LCh	71, 31.518, 328.023
Yxy	41.8835, 0.3191, 0.2729
Android (android.graphics.Color)	4291861964 (0xFFD09DCC)
YUV	177.6070, 13.0117, 26.6547
Hunter-Lab	64.7175, 21.8066, -12.0755

Details

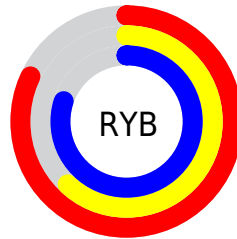
The XYZ color **48.9685, 41.8835, 62.6301** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.8953, 54.8544, 42.0478**, and the grayscale version is **42.0384, 44.2276, 48.1639**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **23.6935, 19.0775, 31.2877** is the 20% darker color. If you saturate the color by 10%, you get **45.5503, 35.3579, 60.5306**, and if you desaturate by 10%, it is **52.9904, 49.6117, 64.9419**.

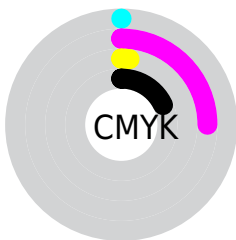
Distribution



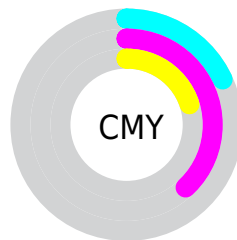
- Red (82%)
- Green (62%)
- Blue (80%)



- Red (82%)
- Yellow (62%)
- Blue (80%)



- Cyan (0%)
- Magenta (25%)
- Yellow (2%)
- Black (18%)





- Cyan (18%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9685, 41.8835, 62.6301 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 48.9685, 41.8835, 62.6301 by changing the saturation by 10% instead.


 48.9685, 41.8835,
62.6301


 48.9685, 41.8835,
62.6301


373.1373,
353.9998, 452.2967

 34.8089, 29.0101,
45.1030


 87.8457, 78.0233,
110.2161

 23.6815, 19.0884,
31.1950


 113.2940,
102.0584, 141.1120

 15.2210, 11.7342,
20.4877


143.2359,
130.5829, 177.3013

 9.0620, 6.5630,
12.5624

178.0368,
163.9812, 219.2025

 4.8391, 3.1903,
7.0008

218.0620,
202.6376, 267.2340

 2.1869, 1.2319,
3.3841

263.6770,

 0.7358, 0.0875,

246.9366, 321.8146

1.2940

315.2469,
297.2625, 383.3626

■ 0.0000, 0.0000,
0.0568

■ 0.0000, 0.0000,
0.0000

■ 48.9685, 41.8835,
62.6301

■ 48.9685, 41.8835,
62.6301

■ 45.5503, 35.3579,
60.5306

■ 52.9904, 49.6117,
64.9419

■ 42.7015, 29.9687,
58.6305

■ 57.6403, 58.5934,
67.4727

■ 40.3906, 25.6519,
56.9198

■ 62.9459, 68.8831,
70.2322

■ 38.5810, 22.3345,
55.3862

■ 68.9321, 80.5307,
73.2289

37.2320, 19.9350,
54.0161

73.6766, 89.6916,
75.8218

36.2961, 18.3587,
52.7937

73.8837, 89.7745,
76.9126

35.7159, 17.4903,
51.6998

74.0929, 89.8581,
78.0143

35.4923, 17.2019,
51.1357

74.3043, 89.9427,
79.1271

74.5177, 90.0280,
80.2510

Harmonies

Analogous

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



44.7258, 41.8835, 76.0647



48.9685, 41.8835, 62.6301



50.7353, 41.8835, 46.6055

Triad

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



48.9685, 41.8835, 62.6301



40.1572, 41.8835, 22.4418



31.5711, 41.8835, 60.5264

Complementary

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



48.9685, 41.8835, 62.6301



42.8953, 54.8544, 42.0478

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.



30.5761, 41.8835, 44.6170



48.9685, 41.8835, 62.6301



35.2664, 41.8835, 24.6028

Square

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



48.9685, 41.8835, 62.6301



45.3788, 41.8835, 25.2676



31.8694, 41.8835, 31.9824



34.7147, 41.8835, 74.6749

Rectangle

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



48.9685, 41.8835, 62.6301



50.1641, 41.8835, 37.2568



31.8694, 41.8835, 31.9824



30.9870, 41.8835, 55.1132

Sweetspot

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



48.9698, 41.8853, 62.6310



89.3930, 89.0454, 105.9062



38.0213, 36.1851, 64.6559



19.0346, 18.8676, 22.6148



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.



48.9698, 41.8853, 62.6310



74.9040, 61.1801, 97.6464



46.2177, 40.7845, 48.1389



12.2691, 11.9924, 14.6930



22.1370, 10.7276, 31.9572



1.2499, 0.6047, 1.8509

Inverse Universe

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



48.9698, 41.8853, 62.6310



74.9040, 61.1801, 97.6464



45.3144, 55.8220, 54.7867



12.2691, 11.9924, 14.6930



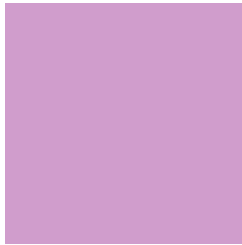
22.1370, 10.7276, 31.9572



1.2499, 0.6047, 1.8509

Previews

White Background



This preview shows how the XYZ color 48.9685, 41.8835, 62.6301 looks on a white background.

Color Contrast Check

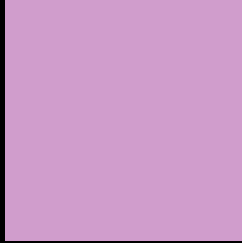
Large Text (above 18pt) WCAG AA × Fail

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 48.9685, 41.8835, 62.6301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

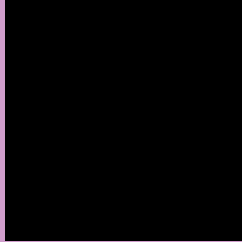
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9685, 41.8835, 62.6301

Background



This preview shows how black text looks on a background with the XYZ color 48.9685, 41.8835, 62.6301.



This preview shows how white text looks on a background with the XYZ color 48.9685, 41.8835,

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

48.9685, 41.8835, 62.6301

Protanopia

42.2000, 42.2526, 69.5497

Deuteranopia

42.9801, 41.9873, 61.7162



Tritanopia

45.5600, 41.7732, 46.2192

Trichromacy



Original Color

48.9685, 41.8835, 62.6301

Protanomaly

44.2740, 41.9939, 66.7449

Deuteranomaly

44.9737, 41.9134, 62.2196

Tritanomaly

46.6106, 41.6659, 52.0401

Monochromacy



Original Color

48.9685, 41.8835, 62.6301

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.3306, 43.1561, 53.0072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9685, 41.8835, 62.6301 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(208, 157, 204)` looks like.

```
.text, #text, p{  
    color:rgb(208, 157, 204)  
}
```

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(208, 157, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 157, 204) }
```

Border

The CSS property to change the border of an element to XYZ 48.9685, 41.8835, 62.6301 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(208, 157, 204) }
```


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

```
.border{ border-color:rgb(208, 157, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 157, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 157, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 157, 204);  
box-shadow:4px 4px 4px 4px rgb(208, 157,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9685, 41.8835, 62.6301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 157, 204) }
```

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

```
.background{ background-color: rgb(208,  
157, 204) }
```

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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