

Converting Colors

XYZ(52.0636, 44.5293, 78.8309)

Have a look what the booklet for
XYZ(52.0636, 44.5293, 78.8309)
contains.

XYZ(51.9623, 44.3658, 78.4978)	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(51.9623, 44.3658,
78.4978)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA2E3
RGB	205, 162, 227
RGB Percent	80%, 64%, 89%
CMY	0.1961, 0.3647, 0.1098
CMYK	0.10, 0.29, 0.00, 0.11
HSL	280°, 54%, 76%
HSV	280°, 29%, 89%
XYZ	51.9623, 44.3658, 78.4978
YIQ	182.2670, 4.7630, 29.3310

Conversions

Conversions Part 2

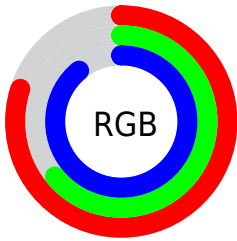
Format	Color
RYB	205, 162, 227
Decimal	13476579
CIELab	72.47, 27.49, -26.80
CIELCh	72, 38.391, 315.737
Yxy	44.3658, 0.2972, 0.2538
Android (android.graphics.Color)	4291666659 (0xFFCDA2E3)
YUV	182.2670, 22.0534, 19.9368
Hunter-Lab	66.6077, 22.6889, -23.2485

Details

The XYZ color **51.9623, 44.3658, 78.4978** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.7592, 67.7382, 44.4258**, and the grayscale version is **44.4918, 46.8089, 50.9748**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **25.5043, 20.5762, 41.1555** is the 20% darker color. If you saturate the color by 10%, you get **46.2515, 36.0130, 77.1872**, and if you desaturate by 10%, it is **58.5018, 54.2195, 80.0558**.

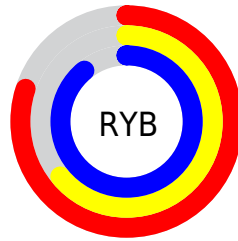
Distribution



Red (80%)

Green (64%)

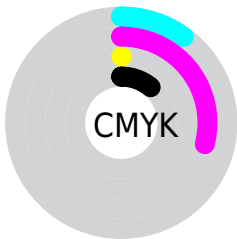
Blue (89%)



Red (80%)

Yellow (64%)

Blue (89%)

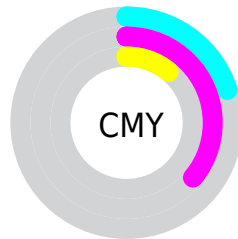


Cyan (10%)

Magenta (29%)

Yellow (0%)

Black (11%)



Cyan (20%)


Magenta (36%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9623, 44.3658, 78.4978 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 51.9623, 44.3658, 78.4978 by changing the saturation by 10% instead.


 51.9623, 44.3658,
78.4978


 51.9623, 44.3658,
78.4978


384.6174,
364.1989, 509.4284

 37.1992, 30.9582,
57.9641

 92.2502, 81.7679,
133.0439

 25.5361, 20.5670,
41.3653

 118.5057,
106.5312, 167.8934

 16.6078, 12.8079,
28.2828


149.3226,
135.8485, 208.3518

 10.0488, 7.2964,
18.2980

185.0665,
170.1042, 254.8379

 5.4939, 3.6481,
10.9925

226.1025,
209.6827, 307.7700

 2.5775, 1.4787,
5.9477

272.7961,

 0.9345, 0.2737,

254.9684, 367.5668

2.7450

325.5126,
306.3457, 434.6467

■ 0.0000, 0.0000,
0.9660

■ 0.0000, 0.0000,
0.0000

■ 51.9623, 44.3658,
78.4978

■ 51.9623, 44.3658,
78.4978

■ 46.2515, 36.0130,
77.1872

■ 58.5018, 54.2195,
80.0558

■ 41.3249, 29.0769,
76.1081

■ 65.9030, 65.6411,
81.8703

■ 37.1397, 23.4738,
75.2472

■ 74.2024, 78.7003,
83.9535

■ 33.6472, 19.1082,
74.5886

■ 83.4329, 93.4608,
86.3161

■ 30.7920, 15.8720,
74.1144

■ 86.7317, 96.1952,
86.6700

■ 28.5092, 13.6373,
73.8034

■ 89.4452, 97.5941,
86.7970

■ 26.7024, 12.2139,
73.6239

■ 90.8653, 98.3261,
86.8635

■ 26.4742, 12.0463,
73.6036

Harmonies

Analogous

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



45.7177, 44.3658, 92.6051



51.9623, 44.3658, 78.4978



55.7550, 44.3658, 57.8618

Triad

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



51.9623, 44.3658, 78.4978



45.3846, 44.3658, 20.8787



31.0595, 44.3658, 58.8900

Complementary

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



51.9623, 44.3658, 78.4978



53.7592, 67.7382, 44.4258

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.



30.9904, 44.3658, 39.8662



51.9623, 44.3658, 78.4978



38.8076, 44.3658, 21.0178

Square

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



51.9623, 44.3658, 78.4978



51.6965, 44.3658, 26.6113



33.6895, 44.3658, 27.0596



33.8894, 44.3658, 79.4183

Rectangle

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



51.9623, 44.3658, 78.4978



56.1520, 44.3658, 44.7518



33.6895, 44.3658, 27.0596



30.7234, 44.3658, 52.0453

Sweetspot

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



51.9637, 44.3677, 78.4988



85.3604, 84.7778, 106.4725



46.0638, 47.8226, 79.4766



17.9548, 17.6547, 22.7113



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.



51.9637, 44.3677, 78.4988



63.3641, 51.4493, 101.1988



57.1571, 47.1960, 71.9145



14.4965, 14.3582, 18.1517



15.5689, 7.0919, 42.9315



1.2486, 0.5747, 3.1771

Inverse Universe

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



53.2520, 45.6340, 51.3507



65.4502, 53.4370, 60.0762



49.7933, 65.5896, 48.9415



14.5773, 14.4481, 15.9742



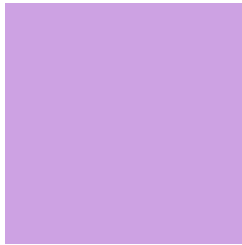
19.3017, 9.8549, 5.2176



1.4685, 0.7451, 0.6075

Previews

White Background



This preview shows how the XYZ color 51.9623, 44.3658, 78.4978 looks on a white background.

Color Contrast Check

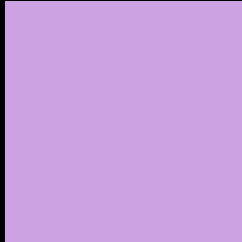
Large Text (above 18pt) WCAG AA × Fail

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 51.9623, 44.3658, 78.4978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

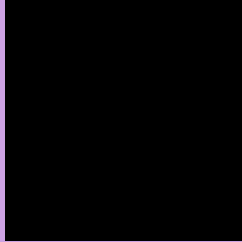
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9623, 44.3658, 78.4978

Background



This preview shows how black text looks on a background with the XYZ color 51.9623, 44.3658, 78.4978.



This preview shows how white text looks on a background with the XYZ color 51.9623, 44.3658,

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

51.9623, 44.3658, 78.4978

Protanopia

45.5093, 44.7422, 86.3583

Deuteranopia

45.7152, 44.7541, 77.4631



Tritanopia

46.3152, 44.2159, 51.4409

Trichromacy



Original Color

51.9623, 44.3658, 78.4978

Protanomaly

47.4024, 44.3561, 83.1540

Deuteranomaly

47.6306, 44.3077, 77.9933

Tritanomaly

48.3314, 44.2251, 60.6325

Monochromacy



Original Color

51.9623, 44.3658, 78.4978

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.7582, 45.6843, 59.7796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9623, 44.3658, 78.4978 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(205, 162, 227)` looks like.

```
.text, #text, p{  
    color:rgb(205, 162, 227)  
}
```

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(205, 162, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 162, 227) }
```

Border

The CSS property to change the border of an element to XYZ 51.9623, 44.3658, 78.4978 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(205, 162, 227) }
```


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

```
.border{ border-color:rgb(205, 162, 227) }
```

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

Here you see how a box with a 4 pixel rgb(205, 162, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 162, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 162, 227);  
box-shadow:4px 4px 4px 4px rgb(205, 162,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9623, 44.3658, 78.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 162, 227) }
```

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

```
.background{ background-color: rgb(205,  
162, 227) }
```

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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