

Converting Colors

XYZ(50.4106, 41.1268, 82.3729)

Have a look what the booklet for
XYZ(50.4106, 41.1268, 82.3729)
contains.

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Color

**XYZ(50.4563, 41.2222,
82.3881)**

Conversions

Conversions Part 1

Format	Color
Hex	CA99E9
RGB	202, 153, 233
RGB Percent	79%, 60%, 91%
CMY	0.2078, 0.4000, 0.0863
CMYK	0.13, 0.34, 0.00, 0.09
HSL	277°, 65%, 76%
HSV	277°, 34%, 91%
XYZ	50.4563, 41.2222, 82.3881
YIQ	176.7710, 3.5240, 35.2680

Conversions

Conversions Part 2

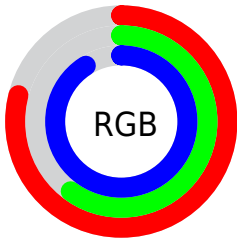
Format	Color
R_{YB}	202, 153, 233
Decimal	13277673
CIE _{Lab}	70.33, 32.73, -33.40
CIE _{LCh}	70, 46.767, 314.421
Yxy	41.2222, 0.2899, 0.2368
Android (android.graphics.Color)	4291467753 (0xFFCA99E9)
YUV	176.7710, 27.7209, 22.1258
Hunter-Lab	64.2045, 27.9196, -31.1386

Details

The XYZ color **50.4563, 41.2222, 82.3881** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.6571, 70.7691, 40.9179**, and the grayscale version is **41.5290, 43.6918, 47.5804**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **24.6221, 18.6847, 43.9038** is the 20% darker color. If you saturate the color by 10%, you get **44.6369, 33.1038, 81.1285**, and if you desaturate by 10%, it is **57.1660, 50.9068, 83.9044**.

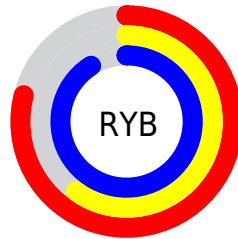
Distribution



Red (79%)

Green (60%)

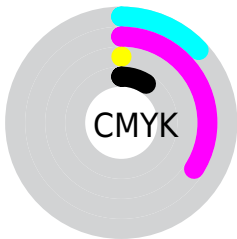
Blue (91%)



Red (79%)

Yellow (60%)

Blue (91%)

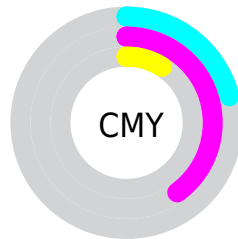


Cyan (13%)

Magenta (34%)

Yellow (0%)

Black (9%)



Cyan (21%)


Magenta (40%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4563, 41.2222, 82.3881 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 50.4563, 41.2222, 82.3881 by changing the saturation by 10% instead.


 50.4563, 41.2222,
82.3881


 50.4563, 41.2222,
82.3881

378.8702,
351.2484, 522.8624

 35.9954, 28.4927,
61.1478

 90.0384, 77.0211,
138.5597

 24.6007, 18.6974,
43.9131


 115.8902,
100.8593, 174.3280

 15.9070, 11.4519,
30.2655


146.2698,
129.1692, 215.7762

 9.5488, 6.3716,
19.7865

181.5423,
162.3353, 263.3226

 5.1608, 3.0723,
12.0574

222.0733,
200.7418, 317.3860

 2.3776, 1.1696,
6.6598

268.2281,

 0.8339, 0.0367,

244.7733, 378.3847

3.1750

320.3719,
294.8140, 446.7373

■ 0.0000, 0.0000,
1.1847

■ 0.0000, 0.0000,
0.0000

■ 50.4563, 41.2222,
82.3881

■ 50.4563, 41.2222,
82.3881

■ 44.6369, 33.1038,
81.1285

■ 57.1660, 50.9068,
83.9044

■ 39.6577, 26.4583,
80.1082

■ 64.8041, 62.2337,
85.6882

■ 35.4696, 21.1899,
79.3120

■ 73.4116, 75.2801,
87.7527

■ 32.0159, 17.1892,
78.7218

■ 83.0254, 90.1167,
90.1098

■ 29.2313, 14.3295,
78.3166

■ 88.8774, 97.2040,
91.1693

■ 27.0365, 12.4563,
78.0707

■ 91.7081, 98.6632,
91.3018

■ 25.9861, 11.6973,
77.9796

Harmonies

Analogous

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



42.9759, 41.2222, 99.5909



50.4563, 41.2222, 82.3881



55.2024, 41.2222, 57.2318

Triad

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



50.4563, 41.2222, 82.3881



43.2832, 41.2222, 15.2208



26.5443, 41.2222, 56.2665

Complementary

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



50.4563, 41.2222, 82.3881



54.6571, 70.7691, 40.9179

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.



26.6039, 41.2222, 34.4536



50.4563, 41.2222, 82.3881



35.6154, 41.2222, 15.1135

Square

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



50.4563, 41.2222, 82.3881



50.7065, 41.2222, 21.3068



29.7237, 41.2222, 20.9411



29.5485, 41.2222, 81.4854

Rectangle

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



50.4563, 41.2222, 82.3881



55.8316, 41.2222, 41.7009



29.7237, 41.2222, 20.9411



26.2205, 41.2222, 48.2250

Sweetspot

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



50.4577, 41.2239, 82.3890



83.9055, 82.9696, 106.2002



45.1953, 47.3551, 83.8498



17.6452, 17.2842, 22.6561



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.



50.4577, 41.2239, 82.3890



56.9021, 43.5461, 100.0139



58.5872, 45.5439, 76.9380



15.1169, 15.0055, 19.0219



14.8877, 6.7108, 44.2536



1.2761, 0.5822, 3.4800

Inverse Universe

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



53.6485, 43.5684, 50.9310



61.6182, 46.9766, 55.0888



48.7102, 67.6244, 44.2055



15.3071, 15.1507, 16.9024



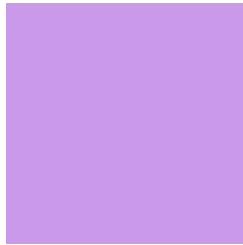
20.1782, 10.2740, 6.7400



1.6303, 0.8251, 0.7707

Previews

White Background



This preview shows how the XYZ color 50.4563, 41.2222, 82.3881 looks on a white background.

Color Contrast Check

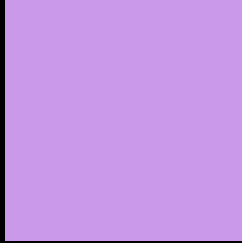
Large Text (above 18pt) WCAG AA × Fail

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 50.4563, 41.2222, 82.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

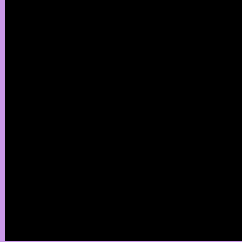
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4563, 41.2222, 82.3881

Background



This preview shows how black text looks on a background with the XYZ color 50.4563, 41.2222, 82.3881.



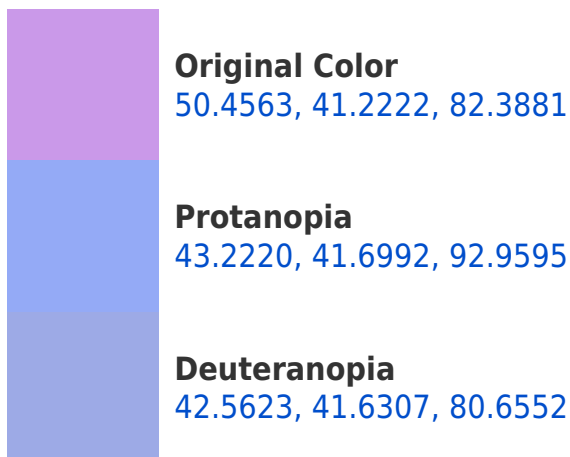
This preview shows how white text looks on a background with the XYZ color 50.4563, 41.2222,

82.3881.

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





Tritanopia

43.2036, 41.0627, 47.2438

Trichromacy



Original Color

50.4563, 41.2222, 82.3881

Protanomaly

45.3011, 41.2266, 88.7890

Deuteranomaly

44.9328, 41.2047, 81.1864

Tritanomaly

45.4138, 40.9086, 58.3259

Monochromacy



Original Color

50.4563, 41.2222, 82.3881

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.3304, 42.4756, 58.6855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4563, 41.2222, 82.3881 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(202, 153, 233)` looks like.

```
.text, #text, p{  
    color:rgb(202, 153, 233)  
}
```

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(202, 153, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 153, 233) }
```

Border

The CSS property to change the border of an element to XYZ 50.4563, 41.2222, 82.3881 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(202, 153, 233) }
```


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

```
.border{ border-color:rgb(202, 153, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 153, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 153, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 153, 233);  
box-shadow:4px 4px 4px 4px rgb(202, 153,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4563, 41.2222, 82.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 153, 233) }
```

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

```
.background{ background-color: rgb(202,  
153, 233) }
```

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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