

Converting Colors

XYZ(52.1973, 43.6590, 87.6954)

Have a look what the booklet for
XYZ(52.1973, 43.6590, 87.6954)
contains.

XYZ(52.2382, 43.7911, 87.3606)	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(52.2382, 43.7911,
87.3606)**

Conversions

Conversions Part 1

Format	Color
Hex	C9A0EF
RGB	201, 160, 239
RGB Percent	79%, 63%, 94%
CMY	0.2118, 0.3725, 0.0627
CMYK	0.16, 0.33, 0.00, 0.06
HSL	271°, 71%, 78%
HSV	271°, 33%, 94%
XYZ	52.2382, 43.7911, 87.3606
YIQ	181.2650, -0.9230, 33.2610

Conversions

Conversions Part 2

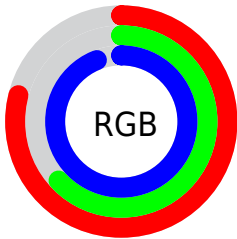
Format	Color
R _Y B	201, 160, 239
Decimal	13213935
CIE Lab	72.09, 29.87, -33.97
CIE LCh	72, 45.232, 311.328
Yxy	43.7911, 0.2848, 0.2388
Android (android.graphics.Color)	4291404015 (0xFFC9A0EF)
YUV	181.2650, 28.4634, 17.3076
Hunter-Lab	66.1748, 25.1013, -31.9492

Details

The XYZ color **52.2382, 43.7911, 87.3606** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.5016, 76.2778, 44.7939**, and the grayscale version is **43.9168, 46.2038, 50.3160**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **25.7639, 20.2550, 47.3515** is the 20% darker color. If you saturate the color by 10%, you get **45.5110, 34.7533, 85.9714**, and if you desaturate by 10%, it is **59.9961, 54.5445, 89.0280**.

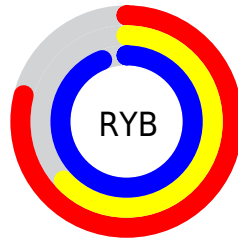
Distribution



Red (79%)

Green (63%)

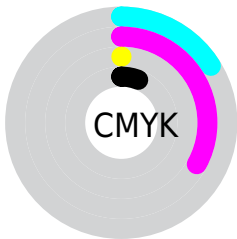
Blue (94%)



Red (79%)

Yellow (63%)

Blue (94%)

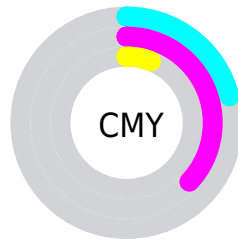


Cyan (16%)

Magenta (33%)

Yellow (0%)

Black (6%)



Cyan (21%)


Magenta (37%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2382, 43.7911, 87.3606 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 52.2382, 43.7911, 87.3606 by changing the saturation by 10% instead.


 52.2382, 43.7911,
87.3606


 52.2382, 43.7911,
87.3606


385.6644,
361.8551, 539.7540

 37.4200, 30.5063,
65.2323


 92.6546, 80.9033,
145.5699

 25.7080, 20.2232,
47.1970

 118.9835,
105.4995, 182.4881

 16.7369, 12.5574,
32.8359


149.8800,
134.6350, 225.1733

 10.1412, 7.1245,
21.7307

185.7095,
168.6941, 274.0441

 5.5557, 3.5401,
13.4627

226.8374,
208.0613, 329.5191

 2.6149, 1.4198,
7.6135

273.6289,

 0.9536, 0.2312,

253.1209, 392.0166

3.7644

326.4494,
304.2574, 461.9555

■ 0.0000, 0.0000,
1.4970

■ 0.0000, 0.0000,
0.2157

■ 52.2382, 43.7911,
87.3606

■ 52.2382, 43.7911,
87.3606

■ 45.5110, 34.7533,
85.9714

■ 59.9961, 54.5445,
89.0280

■ 39.7592, 27.3316,
84.8420

■ 68.8272, 67.0949,
90.9851

■ 34.9286, 21.4241,
83.9564

■ 78.7769, 81.5248,
93.2459

■ 30.9573, 16.9148,
83.2953

■ 89.6934, 97.5239,
95.7587

■ 27.7742, 13.6701,
82.8368

■ 92.5801, 99.0120,
95.8938

■ 25.2941, 11.5283,
82.5541

■ 23.8979, 10.5200,
82.4330

Harmonies

Analogous

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



44.6128, 43.7911, 102.8381



52.2382, 43.7911, 87.3606



57.3646, 43.7911, 62.6620

Triad

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



52.2382, 43.7911, 87.3606



46.5684, 43.7911, 17.6382



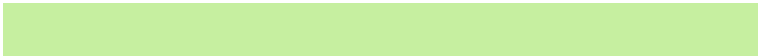
28.6741, 43.7911, 56.5479

Complementary

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



52.2382, 43.7911, 87.3606



60.5016, 76.2778, 44.7939

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.



29.0605, 43.7911, 35.3011



52.2382, 43.7911, 87.3606



38.7682, 43.7911, 16.9203

Square

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



52.2382, 43.7911, 87.3606



53.8217, 43.7911, 24.7187



32.5516, 43.7911, 22.3111



31.4212, 43.7911, 81.7091

Rectangle

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



52.2382, 43.7911, 87.3606



58.3347, 43.7911, 46.7008



32.5516, 43.7911, 22.3111



28.4517, 43.7911, 48.6750

Sweetspot

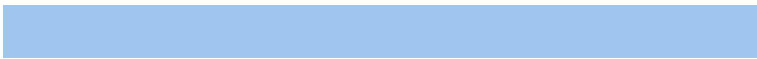
The Sweet Spot groups the original color and five complimentary colors.



52.2397, 43.7929, 87.3616



83.0783, 82.5432, 106.1615



50.3147, 54.1792, 89.4678



17.4449, 17.1810, 22.6468



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.



52.2397, 43.7929, 87.3616



54.8773, 43.1152, 100.0375



63.5547, 49.6484, 86.8793



15.6799, 15.6322, 19.9125



13.3589, 5.8922, 45.5611



1.2262, 0.5494, 3.7956

Inverse Universe

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



58.3617, 47.5712, 59.5337



63.2994, 48.3097, 61.9048



51.8261, 71.7921, 44.9924



16.0895, 15.8855, 18.0276



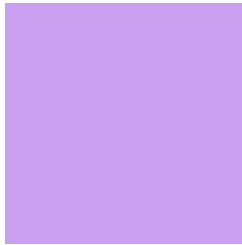
21.4460, 10.8508, 10.2649



1.8341, 0.9227, 1.1174

Previews

White Background



This preview shows how the XYZ color 52.2382, 43.7911, 87.3606 looks on a white background.

Color Contrast Check

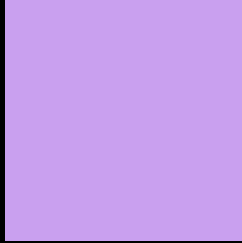
Large Text (above 18pt) WCAG AA × Fail

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 52.2382, 43.7911, 87.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

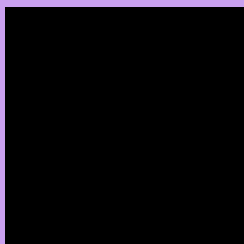
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2382, 43.7911, 87.3606

Background



This preview shows how black text looks on a background with the XYZ color 52.2382, 43.7911, 87.3606.



This preview shows how white text looks on a background with the XYZ color 52.2382, 43.7911,

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

52.2382, 43.7911, 87.3606

Protanopia

45.5282, 43.9465, 96.5254

Deuteranopia

44.9743, 43.9053, 85.4610



Tritanopia

44.9529, 43.7930, 51.4310

Trichromacy



Original Color

52.2382, 43.7911, 87.3606

Protanomaly

47.4001, 43.5758, 93.1015

Deuteranomaly

47.3785, 43.7205, 86.0625

Tritanomaly

47.2235, 43.5992, 63.0533

Monochromacy



Original Color

52.2382, 43.7911, 87.3606

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.3433, 44.8428, 62.0901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2382, 43.7911, 87.3606 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(201, 160, 239)` looks like.

```
.text, #text, p{  
    color:rgb(201, 160, 239)  
}
```

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(201, 160, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 160, 239) }
```

Border

The CSS property to change the border of an element to XYZ 52.2382, 43.7911, 87.3606 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(201, 160, 239) }
```


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

```
.border{ border-color:rgb(201, 160, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 160, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 160, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 160, 239);  
box-shadow:4px 4px 4px 4px rgb(201, 160,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2382, 43.7911, 87.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 160, 239) }
```

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

```
.background{ background-color: rgb(201,  
160, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor