

Converting Colors

XYZ(53.3748, 43.1170, 87.1766)

Have a look what the booklet for
XYZ(53.3748, 43.1170, 87.1766)
contains.

XYZ(53.3138, 43.0846, 87.1676)	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(53.3138, 43.0846,
87.1676)**

Conversions

Conversions Part 1

Format	Color
Hex	D09BEF
RGB	208, 155, 239
RGB Percent	82%, 61%, 94%
CMY	0.1843, 0.3921, 0.0627
CMYK	0.13, 0.35, 0.00, 0.06
HSL	278°, 72%, 77%
HSV	278°, 35%, 94%
XYZ	53.3138, 43.0846, 87.1676
YIQ	180.4230, 4.6240, 37.3600

Conversions

Conversions Part 2

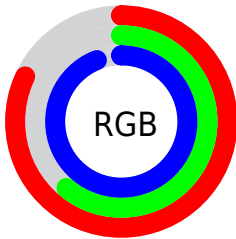
Format	Color
RYB	208, 155, 239
Decimal	13671407
CIELab	71.61, 34.71, -34.65
CIELCh	72, 49.049, 315.052
Yxy	43.0846, 0.2904, 0.2347
Android (android.graphics.Color)	4291861487 (0xFFD09BEF)
YUV	180.4230, 28.8785, 24.1850
Hunter-Lab	65.6389, 30.1149, -32.7892

Details

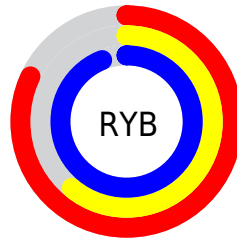
The XYZ color **53.3138, 43.0846, 87.1676** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **57.0339, 74.5397, 42.3938**, and the grayscale version is **43.4588, 45.7221, 49.7913**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **26.3464, 19.7948, 47.2319** is the 20% darker color. If you saturate the color by 10%, you get **47.3120, 34.6597, 85.8584**, and if you desaturate by 10%, it is **60.2436, 53.1585, 88.7475**.

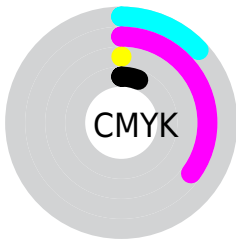
Distribution



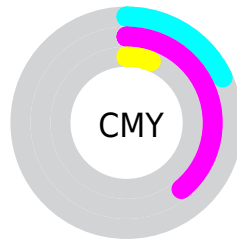
- Red (82%)
- Green (61%)
- Blue (94%)



- Red (82%)
- Yellow (61%)
- Blue (94%)



- Cyan (13%)
- Magenta (35%)
- Yellow (0%)
- Black (6%)




- Cyan (18%)
- Magenta (39%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3138, 43.0846, 87.1676 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 53.3138, 43.0846, 87.1676 by changing the saturation by 10% instead.


 53.3138, 43.0846,
87.1676


 53.3138, 43.0846,
87.1676


389.7291,
358.9596, 539.1039

 38.2818, 29.9515,
65.0735

 94.2288, 79.8385,
145.2987

 26.3797, 19.8018,
47.0690


 120.8425,
104.2281, 182.1727

 17.2421, 12.2510,
32.7354

152.0475,
133.1387, 224.8104

 10.5036, 6.9149,
21.6544

188.2091,
166.9546, 273.6304

 5.7989, 3.4089,
13.4073

229.6927,
206.0602, 329.0513

 2.7627, 1.3488,
7.5756

276.8637,

 1.0296, 0.1785,

250.8400, 391.4914

3.7407

330.0873,
301.6783, 461.3695

■ 0.0000, 0.0000,
1.4842

■ 0.0000, 0.0000,
0.2061

■ 53.3138, 43.0846,
87.1676

■ 53.3138, 43.0846,
87.1676

■ 47.3120, 34.6597,
85.8584

■ 60.2436, 53.1585,
88.7475

■ 42.1848, 27.7839,
84.8015

■ 68.1420, 64.9627,
90.6096

■ 37.8800, 22.3545,
83.9804

■ 77.0524, 78.5796,
92.7684

■ 34.3370, 18.2542,
83.3757

■ 87.0139, 94.0848,
95.2361

■ 31.4855, 15.3460,
82.9647

■ 91.5225, 98.4668,
95.8443

■ 29.2399, 13.4621,
82.7194

■ 92.5801, 99.0120,
95.8938

■ 28.3053, 12.7921,
82.6393

Harmonies

Analogous

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



45.2359, 43.0846, 106.3260



53.3138, 43.0846, 87.1676



58.3827, 43.0846, 59.7137

Triad

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



53.3138, 43.0846, 87.1676



45.2058, 43.0846, 15.1629



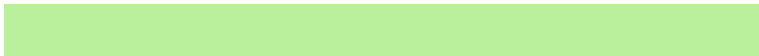
27.3936, 43.0846, 59.8087

Complementary

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



53.3138, 43.0846, 87.1676



57.0339, 74.5397, 42.3938

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.



27.3878, 43.0846, 36.0843



53.3138, 43.0846, 87.1676



36.9449, 43.0846, 15.1731

Square

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



53.3138, 43.0846, 87.1676



53.2892, 43.0846, 21.4323



30.6637, 43.0846, 21.4674



30.6807, 43.0846, 87.2570

Rectangle

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



53.3138, 43.0846, 87.1676



58.9902, 43.0846, 43.0013



30.6637, 43.0846, 21.4674



27.0239, 43.0846, 51.0525

Sweetspot

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



53.3153, 43.0864, 87.1686



83.0390, 81.4801, 105.9583



46.9119, 48.8279, 88.6143



17.4787, 16.9906, 22.6082



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.



53.3153, 43.0864, 87.1686



56.7883, 42.8876, 99.8928



61.4900, 47.4634, 80.1967



15.8559, 15.7229, 19.9207



15.7915, 7.1462, 45.6749



1.4229, 0.6508, 3.8048

Inverse Universe

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



56.1822, 45.3403, 52.2464



60.8294, 46.0145, 52.9281



51.1589, 71.4120, 46.5913



16.0140, 15.8553, 17.6298



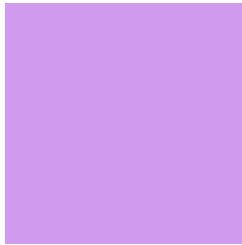
20.7075, 10.5554, 6.3760



1.7691, 0.8967, 0.7750

Previews

White Background



This preview shows how the XYZ color 53.3138, 43.0846, 87.1676 looks on a white background.

Color Contrast Check

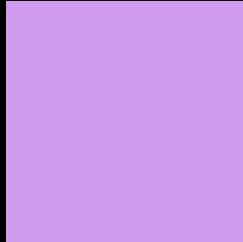
Large Text (above 18pt) WCAG AA × Fail

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 53.3138, 43.0846, 87.1676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

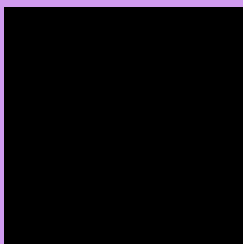
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.3138, 43.0846, 87.1676

Background



This preview shows how black text looks on a background with the XYZ color 53.3138, 43.0846, 87.1676.



This preview shows how white text looks on a background with the XYZ color 53.3138, 43.0846,

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

53.3138, 43.0846, 87.1676

Protanopia

45.2509, 43.4630, 98.9327

Deuteranopia

44.2370, 43.2562, 84.6150



Tritanopia

45.6101, 43.0748, 49.0904

Trichromacy



Original Color

53.3138, 43.0846, 87.1676



Protanomaly

47.3741, 42.7077, 94.5535



Deuteranomaly

46.9080, 42.6757, 85.1218



Tritanomaly

47.9969, 42.9680, 61.0223

Monochromacy



Original Color

53.3138, 43.0846, 87.1676



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

46.3407, 44.2900, 61.3647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3138, 43.0846, 87.1676 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, 155, 239)` looks like.

```
.text, #text, p{  
    color:rgb(208, 155, 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(208, 155, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 155, 239) }
```

Border

The CSS property to change the border of an element to XYZ 53.3138, 43.0846, 87.1676 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, 155, 239) }
```


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

```
.border{ border-color:rgb(208, 155, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 155, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 155, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 155, 239);  
box-shadow:4px 4px 4px 4px rgb(208, 155,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3138, 43.0846, 87.1676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 155, 239) }
```

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

```
.background{ background-color: rgb(208,  
155, 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](#).

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