

Converting Colors

XYZ(51.9628, 49.8552, 87.0060)

Have a look what the booklet for
XYZ(51.9628, 49.8552, 87.0060)
contains.

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Color

**XYZ(52.0216, 49.8846,
87.0076)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B6ED
RGB	185, 182, 237
RGB Percent	73%, 71%, 93%
CMY	0.2745, 0.2863, 0.0706
CMYK	0.22, 0.23, 0.00, 0.07
HSL	243°, 60%, 82%
HSV	243°, 23%, 93%
XYZ	52.0216, 49.8846, 87.0076
YIQ	189.1670, -15.8670, 17.7410

Conversions

Conversions Part 2

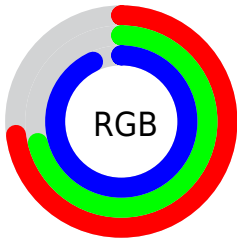
Format	Color
RYB	185, 182, 237
Decimal	12170989
CIELab	76.00, 12.45, -26.98
CIElCh	76, 29.710, 294.776
Yxy	49.8846, 0.2754, 0.2641
Android (android.graphics.Color)	4290361069 (0xFFB9B6ED)
YUV	189.1670, 23.5817, -3.6545
Hunter-Lab	70.6290, 7.8728, -23.5988

Details

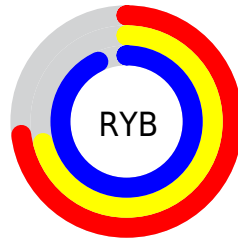
The XYZ color **52.0216, 49.8846, 87.0076** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.6608, 81.4393, 56.1478**, and the grayscale version is **48.3424, 50.8600, 55.3866**.

A 20% lighter version of the original color is **85.2425, 87.2463, 106.9552**, and **25.5508, 23.8620, 46.9752** is the 20% darker color. If you saturate the color by 10%, you get **42.5864, 38.4158, 85.2920**, and if you desaturate by 10%, it is **63.1333, 63.4393, 89.0391**.

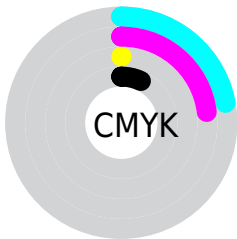
Distribution



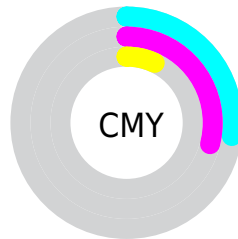
- Red (73%)
- Green (71%)
- Blue (93%)



- Red (73%)
- Yellow (71%)
- Blue (93%)



- Cyan (22%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)



- Cyan (27%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0216, 49.8846, 87.0076 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 52.0216, 49.8846, 87.0076 by changing the saturation by 10% instead.

■ 52.0216, 49.8846,
87.0076

■ 52.0216, 49.8846,
87.0076

384.8426,
386.2145, 538.5647

■ 37.2466, 35.3217,
64.9418

■ 92.3371, 90.0039,
145.0737

■ 25.5731, 23.9108,
46.9629

118.6084,
116.3290, 181.9111

■ 16.6355, 15.2675,
32.6522

149.4425,
147.3438, 224.5095

■ 10.0687, 9.0073,
21.5912

185.2048,
183.4324, 273.2874

■ 5.5071, 4.7460,
13.3614

226.2605,
224.9795, 328.6633

■ 2.5855, 2.0990,
7.5442

272.9752,

■ 0.9386, 0.6641,

272.3692, 391.0558

3.7212

325.7141,
325.9861, 460.8834

■ 0.0000, 0.0000,
1.4737

■ 0.0000, 0.0000,
0.1982

■ 52.0216, 49.8846,
87.0076

■ 52.0216, 49.8846,
87.0076

■ 42.5864, 38.4158,
85.2920

■ 63.1333, 63.4393,
89.0391

■ 34.7418, 28.9238,
83.8733

■ 75.9923, 79.1700,
91.3977

■ 28.4014, 21.2985,
82.7357

■ 90.6713, 97.1686,
94.0981

■ 23.4689, 15.4167,
81.8603

■ 92.2862, 98.8945,
94.3461

■ 19.8366, 11.1406,
81.2264

■ 17.3814, 8.3112,
80.8097

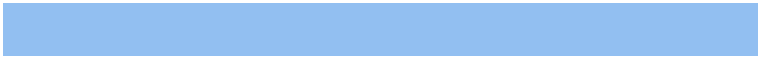
■ 15.9560, 6.7371,
80.5810

■ 15.4511, 6.1995,
80.5038

Harmonies

Analogous

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



46.4501, 49.8846, 90.7321



52.0216, 49.8846, 87.0076



56.6633, 49.8846, 73.8900

Triad

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



52.0216, 49.8846, 87.0076



53.8300, 49.8846, 33.0034



37.5731, 49.8846, 51.5840

Complementary

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



52.0216, 49.8846, 87.0076



72.6608, 81.4393, 56.1478

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.



39.2300, 49.8846, 38.5453



52.0216, 49.8846, 87.0076



48.3908, 49.8846, 29.2384

Square

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



52.0216, 49.8846, 87.0076



57.7631, 49.8846, 42.5030



43.0865, 49.8846, 31.0497



38.3810, 49.8846, 68.1367

Rectangle

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



52.0216, 49.8846, 87.0076



58.4582, 49.8846, 62.7312



43.0865, 49.8846, 31.0497



37.8562, 49.8846, 46.6889

Sweetspot

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



52.0232, 49.8866, 87.0087



83.6789, 86.0738, 106.8113



64.0729, 75.0488, 91.2304



17.7114, 18.1795, 22.8254



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.



52.0232, 49.8866, 87.0087



55.7219, 51.9621, 101.7006



59.2392, 53.6066, 87.3464



14.3072, 14.5881, 18.9840



8.4692, 3.4020, 43.9532



0.6919, 0.2810, 3.4526

Inverse Universe

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



66.5058, 57.4028, 85.4182



75.7269, 62.3468, 99.3979



64.3915, 77.1763, 55.7608



15.6773, 15.2988, 18.8518



26.4354, 12.7769, 39.6899



2.0867, 1.0076, 3.1739

Previews

White Background



This preview shows how the XYZ color 52.0216, 49.8846, 87.0076 looks on a white background.

Color Contrast Check

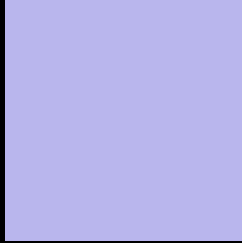
Large Text (above 18pt) WCAG AA × Fail

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 52.0216, 49.8846, 87.0076 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 52.0216, 49.8846, 87.0076

Background



This preview shows how black text looks on a background with the XYZ color 52.0216, 49.8846, 87.0076.



This preview shows how white text looks on a background with the XYZ color 52.0216, 49.8846,

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

52.0216, 49.8846, 87.0076

Protanopia

50.1625, 49.8142, 88.6326

Deuteranopia

51.2489, 50.0987, 87.0897



Tritanopia

47.3531, 49.8619, 63.6285

Trichromacy



Original Color

52.0216, 49.8846, 87.0076

Protanomaly

50.7046, 49.8011, 87.8291

Deuteranomaly

51.5110, 49.9265, 87.0426

Tritanomaly

48.8807, 49.8479, 71.3353

Monochromacy



Original Color

52.0216, 49.8846, 87.0076

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.4385, 50.2654, 65.4890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0216, 49.8846, 87.0076 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(185, 182, 237)` looks like.

```
.text, #text, p{  
    color:rgb(185, 182, 237)  
}
```

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(185, 182, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 182, 237) }
```

Border

The CSS property to change the border of an element to XYZ 52.0216, 49.8846, 87.0076 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(185, 182, 237) }
```


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

```
.border{ border-color:rgb(185, 182, 237) }
```

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

Here you see how a box with a 4 pixel rgb(185, 182, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 182, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 182, 237);  
box-shadow:4px 4px 4px 4px rgb(185, 182,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0216, 49.8846, 87.0076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 182, 237) }
```

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

```
.background{ background-color: rgb(185,  
182, 237) }
```

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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