

Converting Colors

XYZ(50.0294, 47.2283, 86.2854)

Have a look what the booklet for
XYZ(50.0294, 47.2283, 86.2854)
contains.

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Color

**XYZ(50.2996, 47.5038,
86.6388)**

Conversions

Conversions Part 1

Format	Color
Hex	B6B1ED
RGB	182, 177, 237
RGB Percent	71%, 69%, 93%
CMY	0.2863, 0.3059, 0.0706
CMYK	0.23, 0.25, 0.00, 0.07
HSL	245°, 63%, 81%
HSV	245°, 25%, 93%
XYZ	50.2996, 47.5038, 86.6388
YIQ	185.3350, -16.2800, 19.7200

Conversions

Conversions Part 2

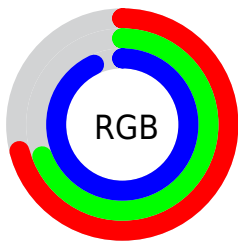
Format	Color
RYB	182, 177, 237
Decimal	11973101
CIELab	74.51, 14.30, -29.28
CIELCh	75, 32.583, 296.030
Yxy	47.5038, 0.2727, 0.2576
Android (android.graphics.Color)	4290163181 (0xFFB6B1ED)
YUV	185.3350, 25.4708, -2.9248
Hunter-Lab	68.9230, 9.6530, -26.2837

Details

The XYZ color **50.2996, 47.5038, 86.6388** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **71.5001, 80.8996, 53.4437**, and the grayscale version is **46.1709, 48.5754, 52.8986**.

A 20% lighter version of the original color is **82.7855, 83.8485, 106.4289**, and **24.4502, 22.3407, 46.7396** is the 20% darker color. If you saturate the color by 10%, you get **41.2799, 36.4987, 84.9908**, and if you desaturate by 10%, it is **60.9313, 60.5489, 88.5972**.

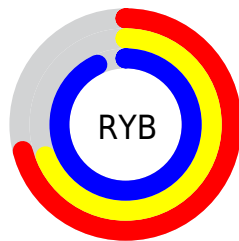
Distribution



Red (71%)

Green (69%)

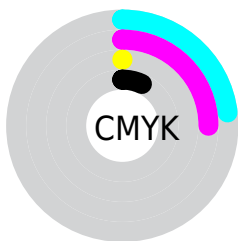
Blue (93%)



Red (71%)

Yellow (69%)

Blue (93%)

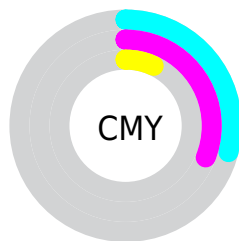


Cyan (23%)

Magenta (25%)

Yellow (0%)

Black (7%)



Cyan (29%)

Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2996, 47.5038, 86.6388 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 50.2996, 47.5038, 86.6388 by changing the saturation by 10% instead.

■ 50.2996, 47.5038,
86.6388

■ 50.2996, 47.5038,
86.6388

378.2691,
376.8219, 537.3206

■ 35.8703, 33.4341,
64.6384

■ 89.8078, 86.4652,
144.5550

■ 24.5037, 22.4592,
46.7185

115.6174,
112.1256, 181.3079

■ 15.8344, 14.1947,
32.4604

145.9511,
142.4184, 223.8154

■ 9.4972, 8.2562,
21.4457

181.1743,
177.7280, 272.4960

■ 5.1266, 4.2593,
13.2558

221.6523,
218.4388, 327.7683

■ 2.3572, 1.8197,
7.4721

267.7506,

■ 0.8237, 0.4994,

264.9351, 390.0508

3.6762

319.8344,
317.6013, 459.7621

■ 0.0000, 0.0000,
1.4494

■ 0.0000, 0.0000,
0.1798

■ 50.2996, 47.5038,
86.6388

■ 50.2996, 47.5038,
86.6388

■ 41.2799, 36.4987,
84.9908

■ 60.9313, 60.5489,
88.5972

■ 33.7890, 27.4250,
83.6342

■ 73.2435, 75.7238,
90.8773

■ 27.7431, 20.1726,
82.5530

■ 87.3066, 93.1201,
93.4939

■ 23.0487, 14.6181,
81.7283

■ 92.2862, 98.8945,
94.3461

■ 19.6010, 10.6228,
81.1388

■ 17.2797, 8.0258,
80.7599

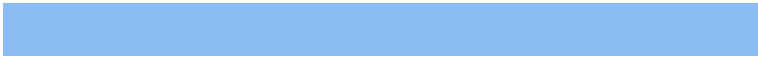
■ 15.9403, 6.6311,
80.5613

■ 15.5696, 6.2606,
80.5093

Harmonies

Analogous

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



44.3723, 47.5038, 91.2437



50.2996, 47.5038, 86.6388



55.1977, 47.5038, 72.0203

Triad

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



50.2996, 47.5038, 86.6388



51.7714, 47.5038, 29.2386



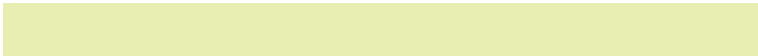
34.7797, 47.5038, 49.5129

Complementary

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



50.2996, 47.5038, 86.6388



71.5001, 80.8996, 53.4437

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.



36.4039, 47.5038, 35.6506



50.2996, 47.5038, 86.6388



45.9386, 47.5038, 25.6676

Square

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



50.2996, 47.5038, 86.6388



56.0979, 47.5038, 38.7686



40.3662, 47.5038, 27.7318



35.7296, 47.5038, 67.2840

Rectangle

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



50.2996, 47.5038, 86.6388



57.0427, 47.5038, 59.9456



40.3662, 47.5038, 27.7318



35.0386, 47.5038, 44.2899

Sweetspot

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



50.3012, 47.5057, 86.6399



82.3356, 84.2921, 106.5382



62.5578, 73.7405, 91.0577



17.1432, 17.4501, 22.7146



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.



50.3012, 47.5057, 86.6399



54.0472, 49.5587, 101.3249



57.8737, 51.4095, 86.9943



14.3475, 14.6089, 18.9859



8.5440, 3.4405, 43.9567



0.7112, 0.2909, 3.4535

Inverse Universe

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



65.2141, 55.2768, 83.5779



74.3007, 60.1164, 97.0047



62.8500, 76.4403, 53.0389



15.6575, 15.2909, 18.7478



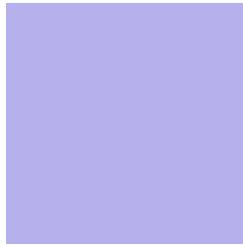
25.9475, 12.5817, 37.1206



2.0535, 0.9944, 2.9992

Previews

White Background



This preview shows how the XYZ color 50.2996, 47.5038, 86.6388 looks on a white background.

Color Contrast Check

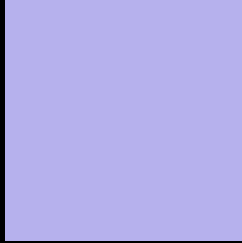
Large Text (above 18pt) WCAG AA × Fail

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 50.2996, 47.5038, 86.6388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

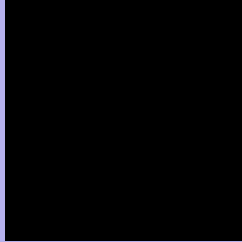
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2996, 47.5038, 86.6388

Background



This preview shows how black text looks on a background with the XYZ color 50.2996, 47.5038, 86.6388.



This preview shows how white text looks on a background with the XYZ color 50.2996, 47.5038,

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

50.2996, 47.5038, 86.6388

Protanopia

48.1884, 47.5545, 89.0772

Deuteranopia

48.6952, 47.5829, 85.9748



Tritanopia

45.1285, 47.5185, 60.8263

Trichromacy



Original Color

50.2996, 47.5038, 86.6388

Protanomaly

48.9145, 47.6452, 88.2797

Deuteranomaly

49.1649, 47.5264, 85.9391

Tritanomaly

46.8942, 47.3168, 69.6123

Monochromacy



Original Color

50.2996, 47.5038, 86.6388

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.3942, 48.0059, 63.8949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2996, 47.5038, 86.6388 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(182, 177, 237)` looks like.

```
.text, #text, p{  
    color:rgb(182, 177, 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(182, 177, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 177, 237) }
```

Border

The CSS property to change the border of an element to XYZ 50.2996, 47.5038, 86.6388 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(182, 177, 237) }
```


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

```
.border{ border-color:rgb(182, 177, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 177, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 177, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 177, 237);  
box-shadow:4px 4px 4px 4px rgb(182, 177,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2996, 47.5038, 86.6388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 177, 237) }
```

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

```
.background{ background-color: rgb(182,  
177, 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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