

Converting Colors

XYZ(47.5252, 47.3633, 82.2385)

Have a look what the booklet for
XYZ(47.5252, 47.3633, 82.2385)
contains.

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Color

**XYZ(47.5252, 47.3633,
82.2385)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB5E7
RGB	170, 181, 231
RGB Percent	67%, 71%, 91%
CMY	0.3333, 0.2902, 0.0941
CMYK	0.26, 0.22, 0.00, 0.09
HSL	229°, 56%, 79%
HSV	229°, 26%, 91%
XYZ	47.5252, 47.3633, 82.2385
YIQ	183.4110, -22.6060, 13.2180

Conversions

Conversions Part 2

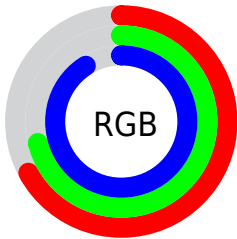
Format	Color
R_{YB}	170, 179, 231
Decimal	11187687
CIE _{Lab}	74.42, 7.11, -26.24
CIE _{LCh}	74, 27.185, 285.155
Yxy	47.3633, 0.2683, 0.2674
Android (android.graphics.Color)	4289377767 (0xFFAAB5E7)
YUV	183.4110, 23.4614, -11.7614
Hunter-Lab	68.8210, 2.8287, -22.6746

Details

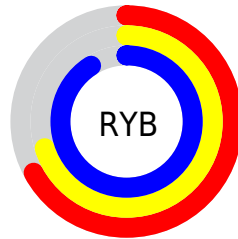
The XYZ color **47.5252, 47.3633, 82.2385** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.8045, 71.0779, 48.2827**, and the grayscale version is **45.1206, 47.4704, 51.6953**.

A 20% lighter version of the original color is **79.6982, 83.9571, 106.6125**, and **22.7932, 22.3154, 43.6634** is the 20% darker color. If you saturate the color by 10%, you get **39.3717, 37.8288, 80.8287**, and if you desaturate by 10%, it is **57.0824, 58.4003, 83.8659**.

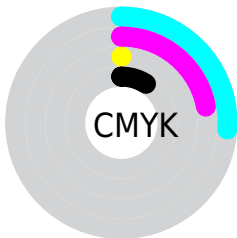
Distribution



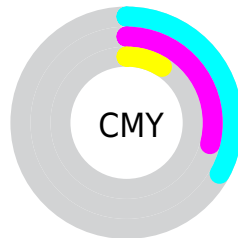
- Red (67%)
- Green (71%)
- Blue (91%)



- Red (67%)
- Yellow (70%)
- Blue (91%)



- Cyan (26%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (33%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5252, 47.3633, 82.2385 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 47.5252, 47.3633, 82.2385 by changing the saturation by 10% instead.

■ 47.5252, 47.3633,
82.2385

■ 47.5252, 47.3633,
82.2385

367.5210,
376.2628, 522.3495

■ 33.6607, 33.3229,
61.0252

■ 85.7110, 86.2557,
138.3481

■ 22.7947, 22.3740,
43.8148

110.7631,
111.8765, 174.0814

■ 14.5619, 14.1319,
30.1888

140.2751,
142.1262, 215.4919

■ 8.5968, 8.2125,
19.7287

174.6123,
177.3893, 262.9980

■ 4.5341, 4.2312,
12.0159

214.1402,
218.0501, 317.0182

■ 2.0085, 1.8037,
6.6318

259.2240,

■ 0.6387, 0.4895,

264.4930, 377.9712

3.1580

310.2292,
317.1025, 446.2755

■ 0.0000, 0.0000,
1.1759

■ 0.0000, 0.0000,
0.0000

■ 47.5252, 47.3633,
82.2385

■ 47.5252, 47.3633,
82.2385

■ 39.3717, 37.8288,
80.8287

■ 57.0824, 58.4003,
83.8659

■ 32.5505, 29.7256,
79.6241

■ 68.1009, 70.9956,
85.7163

■ 26.9905, 22.9850,
78.6161

■ 80.6410, 85.2091,
87.7989

■ 22.6122, 17.5303,
77.7940

■ 91.4240, 98.5496,
89.8055

■ 19.3269, 13.2768,
77.1462

■ 17.0322, 10.1292,
76.6595

■ 15.6040, 7.9753,
76.3191

■ 15.2399, 7.4016,
76.2275

Harmonies

Analogous

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



42.6469, 47.3633, 82.2901



47.5252, 47.3633, 82.2385



52.0319, 47.3633, 73.0302

Triad

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



47.5252, 47.3633, 82.2385



51.9922, 47.3633, 34.7104



36.5121, 47.3633, 44.9630

Complementary

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



47.5252, 47.3633, 82.2385



65.8045, 71.0779, 48.2827

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.



38.6634, 47.3633, 34.7897



47.5252, 47.3633, 82.2385



47.4742, 47.3633, 29.6419

Square

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



47.5252, 47.3633, 82.2385



54.7355, 47.3633, 44.8344



42.5994, 47.3633, 29.6680



36.5236, 47.3633, 58.9498

Rectangle

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



47.5252, 47.3633, 82.2385



54.1178, 47.3633, 63.7564



42.5994, 47.3633, 29.6680



36.9990, 47.3633, 41.0457

Sweetspot

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



47.5267, 47.3652, 82.2396



82.8349, 86.1259, 106.8658



58.0485, 70.8565, 78.2011



17.2679, 17.9074, 22.7963



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.



47.5267, 47.3652, 82.2396



53.3803, 52.1662, 101.8634



49.8646, 45.3797, 81.7331



13.7920, 14.3054, 18.1786



8.6079, 4.2779, 42.7552



0.6974, 0.4387, 3.1799

Inverse Universe

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



55.6715, 49.0759, 50.2565



65.3501, 54.9366, 54.8023



62.8928, 74.0051, 49.0011



14.4826, 14.4102, 15.4758



18.7384, 9.6296, 2.2513



1.4156, 0.7240, 0.3293

Previews

White Background



This preview shows how the XYZ color 47.5252, 47.3633, 82.2385 looks on a white background.

Color Contrast Check

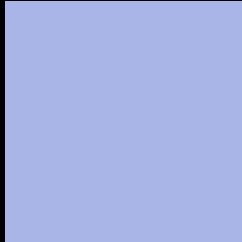
Large Text (above 18pt) WCAG AA × Fail

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 47.5252, 47.3633, 82.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

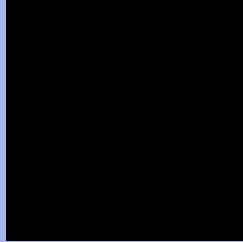
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5252, 47.3633, 82.2385

Background



This preview shows how black text looks on a background with the XYZ color 47.5252, 47.3633, 82.2385.



This preview shows how white text looks on a background with the XYZ color 47.5252, 47.3633,

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

47.5252, 47.3633, 82.2385

Protanopia

47.5252, 47.3633, 82.2385

Deuteranopia

48.2231, 47.1237, 82.1555



Tritanopia

43.4114, 47.2274, 62.0861

Trichromacy



Original Color

47.5252, 47.3633, 82.2385

Protanomaly

47.5252, 47.3633, 82.2385

Deuteranomaly

47.9786, 47.2963, 82.2017

Tritanomaly

44.7500, 47.1414, 69.0280

Monochromacy



Original Color

47.5252, 47.3633, 82.2385

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.5134, 47.0910, 61.3342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5252, 47.3633, 82.2385 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(170, 181, 231)` looks like.

```
.text, #text, p{  
    color:rgb(170, 181, 231)  
}
```

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(170, 181, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 231) }
```

Border

The CSS property to change the border of an element to XYZ 47.5252, 47.3633, 82.2385 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(170, 181, 231) }
```


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

```
.border{ border-color:rgb(170, 181, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 181, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 181, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 181, 231);  
box-shadow:4px 4px 4px 4px rgb(170, 181,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5252, 47.3633, 82.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 181, 231) }
```

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

```
.background{ background-color: rgb(170,  
181, 231) }
```

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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