

Converting Colors

XYZ(42.2341, 33.3613, 77.4458)

Have a look what the booklet for
XYZ(42.2341, 33.3613, 77.4458)
contains.

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Color

**XYZ(42.2407, 33.4378,
77.6266)**

Conversions

Conversions Part 1

Format	Color
Hex	B689E4
RGB	182, 137, 228
RGB Percent	71%, 54%, 89%
CMY	0.2863, 0.4627, 0.1059
CMYK	0.20, 0.40, 0.00, 0.11
HSL	270°, 63%, 72%
HSV	270°, 40%, 89%
XYZ	42.2407, 33.4378, 77.6266
YIQ	160.8290, -2.3910, 37.8410

Conversions

Conversions Part 2

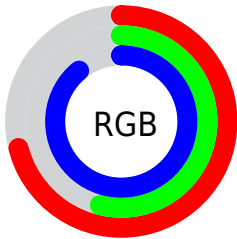
Format	Color
R_{YB}	182, 137, 228
Decimal	11962852
CIE _{Lab}	64.51, 34.52, -39.85
CIE _{LCh}	65, 52.724, 310.901
Yxy	33.4378, 0.2755, 0.2181
Android (android.graphics.Color)	4290152932 (0xFFB689E4)
YUV	160.8290, 33.1153, 18.5670
Hunter-Lab	57.8254, 29.1974, -39.1149

Details

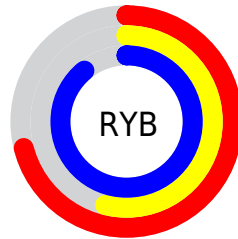
The XYZ color **42.2407, 33.4378, 77.6266** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **51.7879, 67.3609, 33.9406**, and the grayscale version is **33.6500, 35.4024, 38.5532**.

A 20% lighter version of the original color is **72.2774, 62.8323, 102.9262**, and **19.5266, 14.1462, 40.7310** is the 20% darker color. If you saturate the color by 10%, you get **36.7250, 26.2814, 76.5365**, and if you desaturate by 10%, it is **48.6676, 42.0819, 78.9569**.

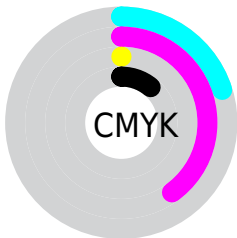
Distribution



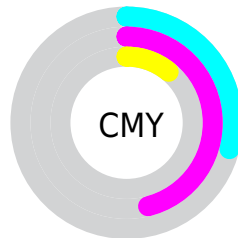
- Red (71%)
- Green (54%)
- Blue (89%)



- Red (71%)
- Yellow (54%)
- Blue (89%)



- Cyan (20%)
- Magenta (40%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (46%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2407, 33.4378, 77.6266 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 42.2407, 33.4378, 77.6266 by changing the saturation by 10% instead.

42.2407, 33.4378,
77.6266

42.2407, 33.4378,
77.6266

346.4544,
317.6179, 506.3921

29.4817, 22.4620,
57.2527

77.8267, 65.0584,
131.8047

19.5917, 14.1968,
40.7974

101.3844, 86.4721,
166.4459

12.2051, 8.2577,
27.8423

129.2724,
112.1339, 206.6800

6.9567, 4.2603,
17.9688

161.8561,
142.4281, 252.9255

3.4811, 1.8202,
10.7584

199.5008,
177.7393, 305.6009

1.4130, 0.4997,
5.7925

242.5718,

0.2655, 0.0000,

218.4517, 365.1248

2.6526

291.4346,
264.9497, 431.9156

■ 0.0000, 0.0000,
0.9194

■ 0.0000, 0.0000,
0.0000

■ 42.2407, 33.4378,
77.6266

■ 42.2407, 33.4378,
77.6266

■ 36.7250, 26.2814,
76.5365

■ 48.6676, 42.0819,
78.9569

■ 32.0680, 20.5188,
75.6697

■ 56.0470, 52.2917,
80.5387

■ 28.2169, 16.0517,
75.0104

■ 64.4217, 64.1446,
82.3851

■ 25.1105, 12.7662,
74.5400

■ 73.8308, 77.7112,
84.5078

■ 22.6770, 10.5276,
74.2362

■ 84.3111, 93.0584,
86.9177

■ 20.7969, 9.1068,
74.0610

■ 89.6027, 97.6592,
87.5269

■ 20.7816, 9.0956,
74.0597

■ 91.0037, 98.3815,
87.5925

Harmonies

Analogous

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



34.6005, 33.4378, 94.2257



42.2407, 33.4378, 77.6266



47.5287, 33.4378, 51.7384

Triad

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



42.2407, 33.4378, 77.6266



36.7606, 33.4378, 9.5932



19.5742, 33.4378, 44.8306

Complementary

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



42.2407, 33.4378, 77.6266



51.7879, 67.3609, 33.9406

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.



19.9647, 33.4378, 24.4514



42.2407, 33.4378, 77.6266



29.1201, 33.4378, 8.9761

Square

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



42.2407, 33.4378, 77.6266



44.0355, 33.4378, 15.4406



23.2094, 33.4378, 13.1925



22.0422, 33.4378, 70.8854

Rectangle

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



42.2407, 33.4378, 77.6266



48.5766, 33.4378, 35.7594



23.2094, 33.4378, 13.1925



19.3869, 33.4378, 37.0646

Sweetspot

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



42.2419, 33.4391, 77.6274



80.5898, 79.1901, 105.6454



41.4651, 45.2088, 79.9401



16.9379, 16.5069, 22.5434



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.



42.2419, 33.4391, 77.6274



48.4080, 35.2401, 98.8584



54.4659, 39.7409, 78.1994



14.2583, 14.2354, 18.1405



12.1364, 5.3224, 42.7708



1.0039, 0.4485, 3.1656

Inverse Universe

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



49.4886, 37.8053, 49.4892



59.3635, 41.8420, 56.2645



42.8267, 62.7412, 33.5212



14.6794, 14.4890, 16.5123



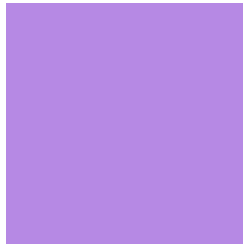
20.3303, 10.2663, 10.6342



1.5492, 0.7774, 1.0328

Previews

White Background



This preview shows how the XYZ color 42.2407, 33.4378, 77.6266 looks on a white background.

Color Contrast Check

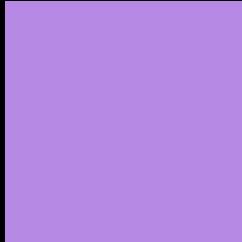
Large Text (above 18pt) WCAG AA × Fail

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 42.2407, 33.4378, 77.6266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

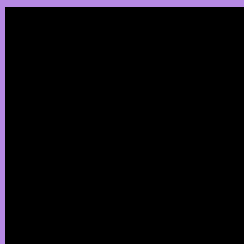
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2407, 33.4378, 77.6266

Background



This preview shows how black text looks on a background with the XYZ color 42.2407, 33.4378, 77.6266.



This preview shows how white text looks on a background with the XYZ color 42.2407, 33.4378,

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

42.2407, 33.4378, 77.6266

Protanopia

36.0401, 33.8820, 88.6448

Deuteranopia

34.5360, 33.6498, 75.1958



Tritanopia

34.4721, 33.4355, 39.2872

Trichromacy



Original Color

42.2407, 33.4378, 77.6266

Protanomaly

37.7300, 33.4052, 84.5800

Deuteranomaly

36.7582, 33.1001, 75.6858

Tritanomaly

36.9277, 33.2596, 51.4871

Monochromacy



Original Color

42.2407, 33.4378, 77.6266

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.3474, 34.3943, 50.6220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2407, 33.4378, 77.6266 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, 137, 228)` looks like.

```
.text, #text, p{  
    color:rgb(182, 137, 228)  
}
```

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, 137, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 137, 228) }
```

Border

The CSS property to change the border of an element to XYZ 42.2407, 33.4378, 77.6266 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, 137, 228) }
```


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

```
.border{ border-color:rgb(182, 137, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 137, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 137, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 137, 228);  
box-shadow:4px 4px 4px 4px rgb(182, 137,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2407, 33.4378, 77.6266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 137, 228) }
```

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

```
.background{ background-color: rgb(182,  
137, 228) }
```

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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