

Converting Colors

XYZ(42.6866, 31.5547, 81.6737)

Have a look what the booklet for
XYZ(42.6866, 31.5547, 81.6737)
contains.

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Color

**XYZ(42.6904, 31.5584,
81.6832)**

Conversions

Conversions Part 1

Format	Color
Hex	BA7FEA
RGB	186, 127, 234
RGB Percent	73%, 50%, 92%
CMY	0.2706, 0.5019, 0.0824
CMYK	0.21, 0.46, 0.00, 0.08
HSL	273°, 72%, 71%
HSV	273°, 46%, 92%
XYZ	42.6904, 31.5584, 81.6832
YIQ	156.8390, 0.8170, 45.7850

Conversions

Conversions Part 2

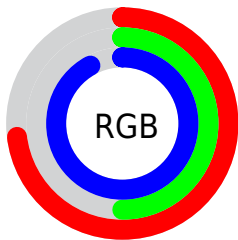
Format	Color
R_{YB}	186, 127, 234
Decimal	12222442
CIE _{Lab}	62.98, 42.50, -45.56
CIE _{LCh}	63, 62.306, 313.008
Yxy	31.5584, 0.2738, 0.2024
Android (android.graphics.Color)	4290412522 (0xFFBA7FEA)
YUV	156.8390, 38.0404, 25.5742
Hunter-Lab	56.1769, 37.3377, -46.8860

Details

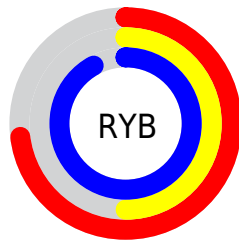
The XYZ color **42.6904, 31.5584, 81.6832** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **50.9335, 69.4925, 30.8088**, and the grayscale version is **31.8109, 33.4676, 36.4462**.

A 20% lighter version of the original color is **71.8821, 59.5008, 102.3040**, and **19.8262, 13.1291, 43.6087** is the 20% darker color. If you saturate the color by 10%, you get **37.5548, 24.9341, 80.6758**, and if you desaturate by 10%, it is **48.7174, 39.6852, 82.9347**.

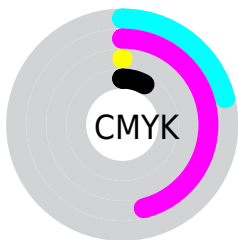
Distribution



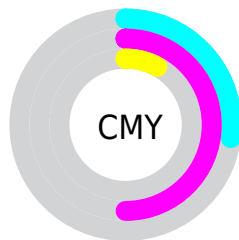
- Red (73%)
- Green (50%)
- Blue (92%)



- Red (73%)
- Yellow (50%)
- Blue (92%)



- Cyan (21%)
- Magenta (46%)
- Yellow (0%)
- Black (8%)





- Cyan (27%)
- Magenta (50%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6904, 31.5584, 81.6832 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 42.6904, 31.5584, 81.6832 by changing the saturation by 10% instead.


 42.6904, 31.5584,
81.6832


 42.6904, 31.5584,
81.6832


348.2801,
309.1027, 520.4430


 29.8357, 21.0244,
60.5701


 78.5021, 62.1182,
137.5623

 19.8614, 13.1419,
43.4501


 102.1898, 82.9127,
173.1655

 12.4020, 7.5263,
29.9044

 130.2193,
107.8963, 214.4358

 7.0922, 3.7934,
19.5146

162.9558,
137.4532, 261.7918

 3.5667, 1.5587,
11.8621

200.7649,
171.9679, 315.6519

 1.4600, 0.3295,
6.5285

244.0117,

 0.2984, 0.0000,

211.8248, 376.4348

3.0951

293.0616,
257.4083, 444.5590

■ 0.0000, 0.0000,
1.1434

■ 0.0000, 0.0000,
0.0000

■ 42.6904, 31.5584,
81.6832

■ 42.6904, 31.5584,
81.6832

■ 37.5548, 24.9341,
80.6758

■ 48.7174, 39.6852,
82.9347

■ 33.2538, 19.7080,
79.8937


■ 55.6808, 49.4018,
84.4432


■ 29.7288, 15.7677,
79.3190


■ 63.6262, 60.7932,
86.2232


■ 26.9106, 12.9814,
78.9297


■ 72.5954, 73.9370,
88.2875

 24.7147, 11.1865,
78.6990

 82.6272, 88.9060,
90.6480

 23.9092, 10.6100,
78.6302

 89.6730, 97.5975,
91.9543

 91.8514, 98.7205,
92.0563

Harmonies

Analogous

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



33.8573, 31.5584, 103.8550



42.6904, 31.5584, 81.6832



48.6643, 31.5584, 50.0718

Triad

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



42.6904, 31.5584, 81.6832



35.0706, 31.5584, 6.1125



16.6396, 31.5584, 46.1098

Complementary

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



42.6904, 31.5584, 81.6832



50.9335, 69.4925, 30.8088

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.



16.8405, 31.5584, 22.3382



42.6904, 31.5584, 81.6832



26.4388, 31.5584, 5.8479

Square

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



42.6904, 31.5584, 81.6832



43.7231, 31.5584, 11.1849



20.1053, 31.5584, 10.1231



19.4915, 31.5584, 77.6222

Rectangle

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



42.6904, 31.5584, 81.6832



49.6320, 31.5584, 31.9456



20.1053, 31.5584, 10.1231



16.3710, 31.5584, 36.8968

Sweetspot

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



42.6916, 31.5597, 81.6839



79.0515, 76.3879, 105.1856



38.9639, 41.1721, 83.7358



16.4404, 15.6534, 22.4048



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.



42.6916, 31.5597, 81.6839



45.9121, 30.6421, 98.1024



55.6159, 38.3099, 78.3366



15.0253, 14.9583, 19.0176



13.5827, 6.0380, 44.1925



1.1771, 0.5311, 3.4753

Inverse Universe

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



49.2597, 35.7674, 44.8657



55.3445, 36.6654, 46.1034



42.3650, 65.0339, 32.2768



15.3463, 15.1664, 17.1090



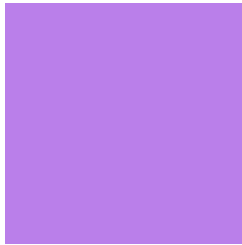
20.5612, 10.4272, 8.7563



1.6624, 0.8379, 0.9395

Previews

White Background



This preview shows how the XYZ color 42.6904, 31.5584, 81.6832 looks on a white background.

Color Contrast Check

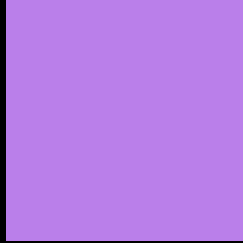
Large Text (above 18pt) WCAG AA × Fail

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 42.6904, 31.5584, 81.6832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

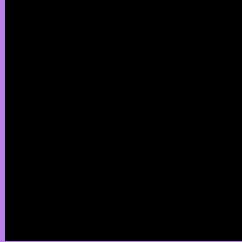
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6904, 31.5584, 81.6832

Background



This preview shows how black text looks on a background with the XYZ color 42.6904, 31.5584, 81.6832.

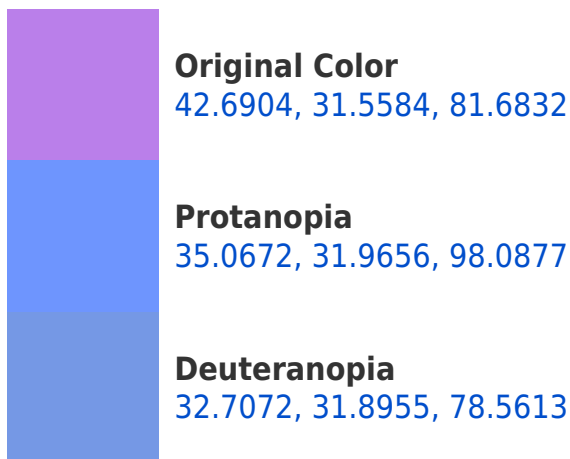


This preview shows how white text looks on a background with the XYZ color 42.6904, 31.5584,

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





Tritanopia

33.3597, 31.5353, 35.7812

Trichromacy



Original Color

42.6904, 31.5584, 81.6832



Protanomaly

36.7946, 31.1684, 92.0725



Deuteranomaly

35.4016, 31.1652, 79.7509



Tritanomaly

36.1003, 31.1026, 49.4481

Monochromacy



Original Color

42.6904, 31.5584, 81.6832



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

35.1843, 32.3854, 50.2955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6904, 31.5584, 81.6832 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(186, 127, 234)` looks like.

```
.text, #text, p{  
    color:rgb(186, 127, 234)  
}
```

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(186, 127, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 127, 234) }
```

Border

The CSS property to change the border of an element to XYZ 42.6904, 31.5584, 81.6832 is called "border". The border property can be set on classes, ids or directly on the HTML element.

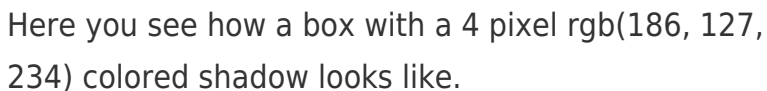
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 127, 234) }
```


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

```
.border{ border-color:rgb(186, 127, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 127, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 127, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 127, 234);  
box-shadow:4px 4px 4px 4px rgb(186, 127,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6904, 31.5584, 81.6832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 127, 234) }
```

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

```
.background{ background-color: rgb(186,  
127, 234) }
```

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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