

Converting Colors

XYZ(43.2429, 49.9623, 81.4933)

Have a look what the booklet for
XYZ(43.2429, 49.9623, 81.4933)
contains.

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Color

**XYZ(43.2429, 49.9623,
81.4933)**

Conversions

Conversions Part 1

Format	Color
Hex	83C4E5
RGB	131, 196, 229
RGB Percent	51%, 77%, 90%
CMY	0.4863, 0.2314, 0.1020
CMYK	0.43, 0.14, 0.00, 0.10
HSL	200°, 65%, 71%
HSV	200°, 43%, 90%
XYZ	43.2429, 49.9623, 81.4933
YIQ	180.3270, -49.3330, -3.5170

Conversions

Conversions Part 2

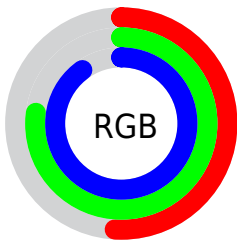
Format	Color
RYB	131, 170, 229
Decimal	8635621
CIELab	76.05, -12.19, -22.89
CIElCh	76, 25.931, 241.955
Yxy	49.9623, 0.2475, 0.2860
Android (android.graphics.Color)	4286825701 (0xFF83C4E5)
YUV	180.3270, 23.9958, -43.2598
Hunter-Lab	70.6840, -14.4947, -18.8781

Details

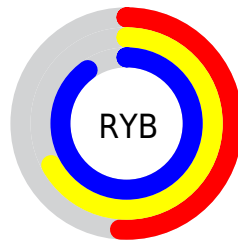
The XYZ color **43.2429, 49.9623, 81.4933** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.6865, 44.8489, 27.5123**, and the grayscale version is **43.4535, 45.7165, 49.7853**.

A 20% lighter version of the original color is **73.9143, 88.1619, 107.7290**, and **20.1175, 23.8590, 43.0801** is the 20% darker color. If you saturate the color by 10%, you get **38.3858, 44.9433, 80.7814**, and if you desaturate by 10%, it is **48.9764, 55.5680, 82.2740**.

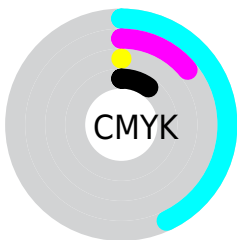
Distribution



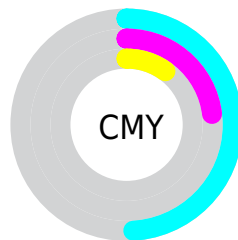
- Red (51%)
- Green (77%)
- Blue (90%)



- Red (51%)
- Yellow (67%)
- Blue (90%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (49%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2429, 49.9623, 81.4933 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 43.2429, 49.9623, 81.4933 by changing the saturation by 10% instead.

■ 43.2429, 49.9623,
81.4933

■ 43.2429, 49.9623,
81.4933

350.5143,
386.5185, 519.7901

■ 30.2711, 35.3834,
60.4146

■ 79.3307, 90.1190,
137.2935

■ 20.1935, 23.9584,
43.3254

■ 103.1774,
116.4657, 172.8521

■ 12.6449, 15.3028,
29.8072

■ 131.3798,
147.5037, 214.0743

■ 7.2598, 9.0321,
19.4415

164.3032,
183.6175, 261.3789

■ 3.6729, 4.7622,
11.8097

202.3130,
225.1915, 315.1841

■ 1.5188, 2.1084,
6.4933

245.7746,

■ 0.3386, 0.6693,

272.6101, 375.9088

3.0737

295.0532,
326.2576, 443.9712

■ 0.0000, 0.0000,
1.1324

■ 0.0000, 0.0000,
0.0000

■ 43.2429, 49.9623,
81.4933

■ 43.2429, 49.9623,
81.4933

■ 38.3858, 44.9433,
80.7814

■ 48.9764, 55.5680,
82.2740

■ 34.3468, 40.4758,
80.1320

■ 55.6302, 61.7816,
83.1227

■ 31.0674, 36.5286,
79.5429

■ 63.2509, 68.6303,
84.0429

■ 28.4790, 33.0642,
79.0107

■ 71.8803, 76.1373,
85.0371

■ 26.4983, 30.0377,
78.5309

■ 81.5578, 84.3249,
86.1074

■ 25.3535, 28.0782,
78.2130

■ 87.2155, 90.5821,
87.0170

■ 89.5626, 95.2764,
87.7994

■ 91.1430, 98.4372,
88.3262

Harmonies

Analogous

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



40.0173, 49.9623, 69.7695



43.2429, 49.9623, 81.4933



47.8060, 49.9623, 85.6411

Triad

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



43.2429, 49.9623, 81.4933



57.4147, 49.9623, 53.4960



42.7282, 49.9623, 34.7663

Complementary

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



43.2429, 49.9623, 81.4933



49.6865, 44.8489, 27.5123

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.



47.1708, 49.9623, 31.8644



43.2429, 49.9623, 81.4933



55.8343, 49.9623, 41.4724

Square

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



43.2429, 49.9623, 81.4933



56.1888, 49.9623, 67.9264



52.0015, 49.9623, 34.0958



39.7347, 49.9623, 42.8010

Rectangle

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



43.2429, 49.9623, 81.4933



51.0547, 49.9623, 83.0712



52.0015, 49.9623, 34.0958



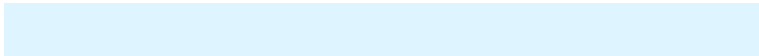
44.0908, 49.9623, 33.2263

Sweetspot

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



43.2445, 49.9642, 81.4945



80.4301, 87.3296, 107.2249



44.0515, 63.5334, 44.9074



16.7315, 18.2626, 22.8931



0.0000, 0.0000, 0.0000



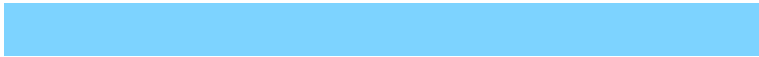
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.2445, 49.9642, 81.4945



49.8463, 58.2686, 103.2275



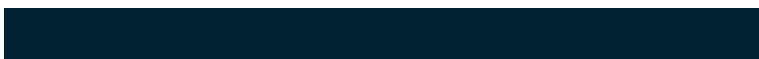
33.9901, 31.4554, 78.4097



14.3773, 15.4759, 18.3737



14.6112, 16.2845, 44.7563



1.1646, 1.3732, 3.3356

Inverse Universe

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



50.3946, 36.8777, 56.6885



60.3514, 40.6282, 66.4265



60.1215, 65.7189, 30.9907



14.7780, 14.5284, 17.0314



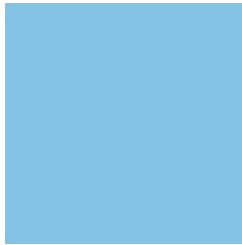
21.7686, 10.8416, 18.2080



1.6515, 0.8183, 1.5712

Previews

White Background



This preview shows how the XYZ color 43.2429, 49.9623, 81.4933 looks on a white background.

Color Contrast Check

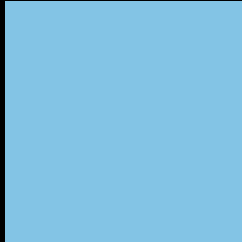
Large Text (above 18pt) WCAG AA × Fail

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 43.2429, 49.9623, 81.4933 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 43.2429, 49.9623, 81.4933

Background



This preview shows how black text looks on a background with the XYZ color 43.2429, 49.9623, 81.4933.

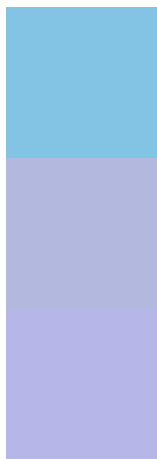


This preview shows how white text looks on a background with the XYZ color 43.2429, 49.9623,

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

43.2429, 49.9623, 81.4933

Protanopia

49.1242, 49.5556, 76.0833

Deuteranopia

50.7904, 49.6383, 83.2481



Tritanopia

41.0841, 49.7552, 71.0567

Trichromacy



Original Color

43.2429, 49.9623, 81.4933

Protanomaly

46.6885, 49.5128, 78.3303

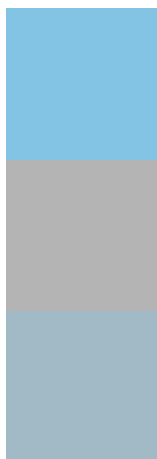
Deuteranomaly

47.5113, 49.5225, 82.6560

Tritanomaly

41.6545, 49.6362, 74.4031

Monochromacy



Original Color

43.2429, 49.9623, 81.4933

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.6522, 46.8764, 60.2261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2429, 49.9623, 81.4933 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(131, 196, 229)` looks like.

```
.text, #text, p{  
    color:rgb(131, 196, 229)  
}
```

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(131, 196, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 196, 229) }
```

Border

The CSS property to change the border of an element to XYZ 43.2429, 49.9623, 81.4933 is called "border". The border property can be set on classes, ids or directly on the HTML element.

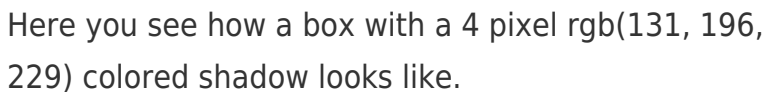
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 196, 229) }
```


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

```
.border{ border-color:rgb(131, 196, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(131, 196, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 196, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 196, 229);  
box-shadow:4px 4px 4px 4px rgb(131, 196,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2429, 49.9623, 81.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 196, 229) }
```

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

```
.background{ background-color: rgb(131,  
196, 229) }
```

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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