

Converting Colors

XYZ(21.4210, 13.6062, 51.9497)

Have a look what the booklet for
XYZ(21.4210, 13.6062, 51.9497)
contains.

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Color

**XYZ(21.4345, 13.5731,
51.9422)**

Conversions

Conversions Part 1

Format	Color
Hex	834AC1
RGB	131, 74, 193
RGB Percent	51%, 29%, 76%
CMY	0.4863, 0.7098, 0.2431
CMYK	0.32, 0.62, 0.00, 0.24
HSL	269°, 49%, 52%
HSV	269°, 62%, 76%
XYZ	21.4345, 13.5731, 51.9422
YIQ	104.6090, -4.2270, 49.0930

Conversions

Conversions Part 2

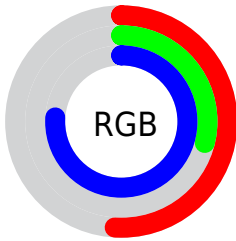
Format	Color
R_{YB}	131, 74, 193
Decimal	8604353
CIE _{Lab}	43.61, 47.38, -53.49
CIE _{LCh}	44, 71.458, 311.536
Yxy	13.5731, 0.2465, 0.1561
Android (android.graphics.Color)	4286794433 (0xFF834AC1)
YUV	104.6090, 43.5768, 23.1449
Hunter-Lab	36.8417, 39.3784, -57.8023

Details

The XYZ color **21.4345, 13.5731, 51.9422** is a dark color, and the websafe version is hex **663399**. The color can be described as middle muted purple. A complement of this color would be **30.4594, 43.8687, 13.3410**, and the grayscale version is **13.2093, 13.8973, 15.1341**.

A 20% lighter version of the original color is **45.0825, 32.1342, 94.2689**, and **7.8743, 3.9843, 24.3988** is the 20% darker color. If you saturate the color by 10%, you get **18.8556, 10.6156, 51.5075**, and if you desaturate by 10%, it is **24.5610, 17.3999, 52.5163**.

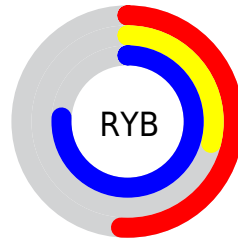
Distribution



Red (51%)

Green (29%)

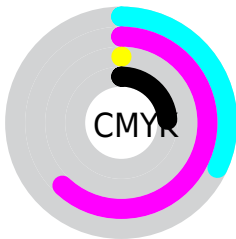
Blue (76%)



Red (51%)

Yellow (29%)

Blue (76%)

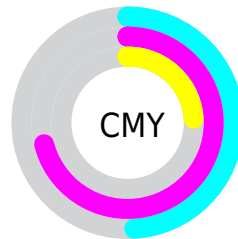


Cyan (32%)

Magenta (62%)

Yellow (0%)

Black (24%)



Cyan (49%)

Magenta (71%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4345, 13.5731, 51.9422 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 21.4345, 13.5731, 51.9422 by changing the saturation by 10% instead.

■ 21.4345, 13.5731,
51.9422

■ 21.4345, 13.5731,
51.9422

252.2669,
214.5586, 411.1640

■ 13.5562, 7.8244,
36.5771

■ 45.2954, 32.3296,
94.4717

■ 7.8923, 3.9828,
24.5870

■ 62.0088, 46.1062,
122.4732

■ 4.0773, 1.6639,
15.5534

■ 82.3979, 63.3275,
155.5238

■ 1.7460, 0.4001,
9.0578

■ 106.8280, 84.3779,
194.0422

■ 0.4848, 0.0000,
4.6816

■ 135.6647,
109.6418, 238.4469

■ 0.0000, 0.0000,
2.0062

169.2732,

■ 0.0000, 0.0000,

139.5036, 289.1564

0.5591

208.0188,
174.3478, 346.5893

■ 0.0000, 0.0000,
0.0000

■ 21.4345, 13.5731,
51.9422

■ 21.4345, 13.5731,
51.9422

■ 18.8556, 10.6156,
51.5075

■ 24.5610, 17.3999,
52.5163

■ 16.7806, 8.4486,
51.1986

■ 28.2700, 22.1620,
53.2400

■ 15.1611, 6.9812,
51.0007

■ 32.5956, 27.9208,
54.1236

■ 14.0843, 6.1488,
50.8968

■ 37.5682, 34.7316,
55.1761

■ 43.2162, 42.6458,
56.4060

■ 49.5662, 51.7112,
57.8212

■ 56.6434, 61.9728,
59.4288

■ 64.4713, 73.4732,
61.2361

■ 73.0727, 86.2527,
63.2494

Harmonies

Analogous

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



15.1751, 13.5731, 70.2244



21.4345, 13.5731, 51.9422



26.0393, 13.5731, 26.8484

Triad

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



21.4345, 13.5731, 51.9422



16.6186, 13.5731, 0.5186



4.9678, 13.5731, 21.8399

Complementary

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



21.4345, 13.5731, 51.9422



30.4594, 43.8687, 13.3410

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.



5.1481, 13.5731, 7.0083



21.4345, 13.5731, 51.9422



10.8659, 13.5731, 0.3623

Square

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



21.4345, 13.5731, 51.9422



22.7507, 13.5731, 2.3142



6.9992, 13.5731, 1.6302



6.4051, 13.5731, 46.0884

Rectangle

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



21.4345, 13.5731, 51.9422



26.9279, 13.5731, 13.9679



6.9992, 13.5731, 1.6302



4.8556, 13.5731, 15.6205

Sweetspot

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



21.4351, 13.5736, 51.9425



70.5613, 66.7633, 99.5279



21.4621, 23.3308, 53.8244



14.5248, 13.4697, 21.2197



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.4351, 13.5736, 51.9425



32.3703, 17.4999, 92.0320



33.0692, 19.5712, 52.4870



9.9770, 9.9793, 12.6852



9.4589, 4.1367, 33.8565



0.4882, 0.2197, 1.4666

Inverse Universe

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



28.8852, 18.0128, 25.2467



47.7385, 26.6676, 36.4972



23.4454, 40.2529, 13.0128



10.2874, 10.1636, 11.6041



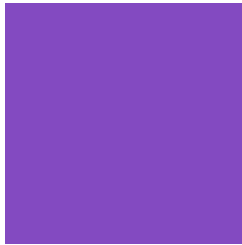
16.2159, 8.1761, 9.0490



0.7353, 0.3671, 0.5736

Previews

White Background



This preview shows how the XYZ color 21.4345, 13.5731, 51.9422 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 21.4345, 13.5731, 51.9422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

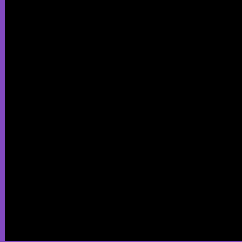
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4345, 13.5731, 51.9422

Background



This preview shows how black text looks on a background with the XYZ color 21.4345, 13.5731, 51.9422.



This preview shows how white text looks on a background with the XYZ color 21.4345, 13.5731,

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

21.4345, 13.5731, 51.9422

Protanopia

16.3455, 13.6771, 64.0658

Deuteranopia

14.0212, 13.6910, 48.9173



Tritanopia

14.0551, 13.5626, 15.7870

Trichromacy



Original Color

21.4345, 13.5731, 51.9422



Protanomaly

15.8945, 12.3485, 59.3034



Deuteranomaly

14.4069, 12.3079, 49.7604



Tritanomaly

15.9893, 13.1404, 25.7384

Monochromacy



Original Color

21.4345, 13.5731, 51.9422



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

15.4575, 13.3890, 25.4365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4345, 13.5731, 51.9422 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, 74, 193)` looks like.

```
.text, #text, p{  
    color:rgb(131, 74, 193)  
}
```

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, 74, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 74, 193) }
```

Border

The CSS property to change the border of an element to XYZ 21.4345, 13.5731, 51.9422 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, 74, 193) }
```


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

```
.border{ border-color:rgb(131, 74, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 74, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 74, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 74, 193);  
box-shadow:4px 4px 4px 4px rgb(131, 74,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4345, 13.5731, 51.9422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 74, 193) }
```

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

```
.background{ background-color: rgb(131, 74,  
193) }
```

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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