

Converting Colors

XYZ(19.9034, 13.5003, 43.6371)

Have a look what the booklet for
XYZ(19.9034, 13.5003, 43.6371)
contains.

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Color

**XYZ(19.8851, 13.4734,
43.6721)**

Conversions

Conversions Part 1

Format	Color
Hex	814FB2
RGB	129, 79, 178
RGB Percent	51%, 31%, 70%
CMY	0.4941, 0.6902, 0.3020
CMYK	0.28, 0.56, 0.00, 0.30
HSL	270°, 39%, 50%
HSV	270°, 56%, 70%
XYZ	19.8851, 13.4734, 43.6721
YIQ	105.2360, -1.9790, 41.3890

Conversions

Conversions Part 2

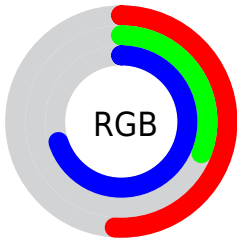
Format	Color
R_{YB}	129, 79, 178
Decimal	8474546
CIE _{Lab}	43.47, 40.50, -44.96
CIE _{LCh}	43, 60.512, 312.008
Yxy	13.4734, 0.2581, 0.1749
Android (android.graphics.Color)	4286664626 (0xFF814FB2)
YUV	105.2360, 35.8727, 20.8410
Hunter-Lab	36.7061, 32.4645, -44.8476

Details

The XYZ color **19.8851, 13.4734, 43.6721** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **26.2340, 36.9948, 13.1555**, and the grayscale version is **13.3978, 14.0955, 15.3500**.

A 20% lighter version of the original color is **42.6011, 32.0961, 81.7918**, and **7.1464, 3.9457, 19.7870** is the 20% darker color. If you saturate the color by 10%, you get **17.4879, 10.5803, 43.2403**, and if you desaturate by 10%, it is **22.7425, 17.1145, 44.2245**.

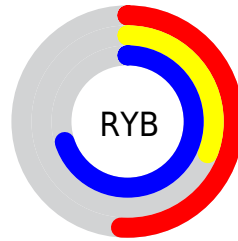
Distribution



Red (51%)

Green (31%)

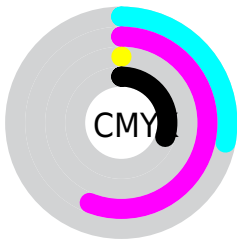
Blue (70%)



Red (51%)

Yellow (31%)

Blue (70%)

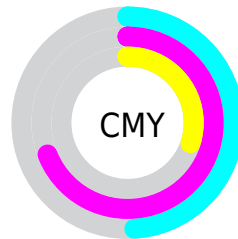


Cyan (28%)

Magenta (56%)

Yellow (0%)

Black (30%)



Cyan (49%)

Magenta (69%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8851, 13.4734, 43.6721 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 19.8851, 13.4734, 43.6721 by changing the saturation by 10% instead.

■ 19.8851, 13.4734,
43.6721

■ 19.8851, 13.4734,
43.6721

244.1379,
213.9297, 377.3706

■ 12.4193, 7.7553,
30.0775

■ 42.7299, 32.1517,
82.0213

■ 7.1042, 3.9388,
19.6449

■ 58.8396, 45.8807,
107.6130

■ 3.5742, 1.6394,
11.9557

■ 78.5613, 63.0488,
138.0408

■ 1.4642, 0.3839,
6.5913

■ 102.2605, 84.0404,
173.7233

■ 0.3013, 0.0000,
3.1333

■ 130.3023,
109.2399, 215.0790

■ 0.0000, 0.0000,
1.1631

163.0523,

■ 0.0000, 0.0000,

139.0317, 262.5264

0.0000

200.8757,
173.8002, 316.4841

■ 19.8851, 13.4734,
43.6721

■ 19.8851, 13.4734,
43.6721

■ 17.4879, 10.5803,
43.2403

■ 22.7425, 17.1145,
44.2245

■ 15.5183, 8.3759,
42.9186

■ 26.0863, 21.5534,
44.9051

■ 13.9412, 6.7940,
42.6964

■ 29.9425, 26.8376,
45.7218

■ 12.7124, 5.7509,
42.5598

■ 34.3344, 33.0099,
46.6817

■ 12.2428, 5.3831,
42.5136

■ 39.2840, 40.1106,
47.7914

■ 44.8120, 48.1772,
49.0571

■ 50.9378, 57.2451,
50.4845

■ 57.6800, 67.3481,
52.0792

■ 65.0563, 78.5182,
53.8465

Harmonies

Analogous

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



14.7871, 13.4734, 57.5649



19.8851, 13.4734, 43.6721



23.5138, 13.4734, 24.2451

Triad

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



19.8851, 13.4734, 43.6721



15.8168, 13.4734, 1.2384



5.8257, 13.4734, 20.7647

Complementary

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



19.8851, 13.4734, 43.6721



26.2340, 36.9948, 13.1555

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.



5.9719, 13.4734, 8.0207



19.8851, 13.4734, 43.6721



11.0104, 13.4734, 1.1082

Square

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



19.8851, 13.4734, 43.6721



20.7965, 13.4734, 3.2491



7.6449, 13.4734, 2.5965



7.1799, 13.4734, 39.8228

Rectangle

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



19.8851, 13.4734, 43.6721



24.1767, 13.4734, 13.7790



7.6449, 13.4734, 2.5965



5.7124, 13.4734, 15.5991

Sweetspot

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



19.8857, 13.4739, 43.6724



60.8577, 57.8683, 84.3433



19.0453, 20.4461, 45.0625



13.1240, 12.3135, 18.6073



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.8857, 13.4739, 43.6724



30.7337, 18.0562, 78.2465



29.1923, 18.2717, 44.1080



8.4373, 8.4340, 10.6896



8.8325, 3.8891, 30.4221



0.3451, 0.1570, 0.9604

Inverse Universe

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



25.0526, 16.6158, 22.3089



41.7126, 24.7302, 32.9404



20.5565, 34.0679, 12.8898



8.6658, 8.5731, 9.7388



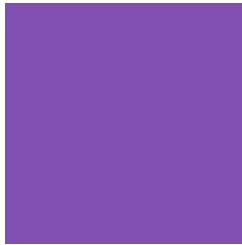
14.4319, 7.2903, 7.4341



0.4836, 0.2412, 0.3891

Previews

White Background



This preview shows how the XYZ color 19.8851, 13.4734, 43.6721 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 19.8851, 13.4734, 43.6721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

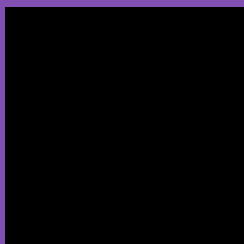
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8851, 13.4734, 43.6721

Background



This preview shows how black text looks on a background with the XYZ color 19.8851, 13.4734, 43.6721.



This preview shows how white text looks on a background with the XYZ color 19.8851, 13.4734,

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

19.8851, 13.4734, 43.6721

Protanopia

15.9482, 13.7958, 55.8551

Deuteranopia

14.0687, 13.7300, 41.4438



Tritanopia

14.1717, 13.4890, 15.4924

Trichromacy



Original Color

19.8851, 13.4734, 43.6721

Protanomaly

16.2116, 12.9524, 50.9358

Deuteranomaly

15.3097, 13.0734, 42.2739

Tritanomaly

15.7911, 13.2131, 23.5479

Monochromacy



Original Color

19.8851, 13.4734, 43.6721

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.2872, 13.6091, 23.6509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8851, 13.4734, 43.6721 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(129, 79, 178)` looks like.

```
.text, #text, p{  
    color:rgb(129, 79, 178)  
}
```

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(129, 79, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 79, 178) }
```

Border

The CSS property to change the border of an element to XYZ 19.8851, 13.4734, 43.6721 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(129, 79, 178) }
```


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

```
.border{ border-color:rgb(129, 79, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 79, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 79, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 79, 178);  
box-shadow:4px 4px 4px 4px rgb(129, 79,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8851, 13.4734, 43.6721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 79, 178) }
```

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

```
.background{ background-color: rgb(129, 79,  
178) }
```

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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