

Converting Colors

XYZ(19.4362, 12.9725, 32.4907)

Have a look what the booklet for
XYZ(19.4362, 12.9725, 32.4907)
contains.

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Color

**XYZ(19.5205, 13.0149,
32.4936)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4A9B
RGB	142, 74, 155
RGB Percent	56%, 29%, 61%
CMY	0.4431, 0.7098, 0.3922
CMYK	0.08, 0.52, 0.00, 0.39
HSL	290°, 35%, 45%
HSV	290°, 52%, 61%
XYZ	19.5205, 13.0149, 32.4936
YIQ	103.5660, 14.5270, 39.6070

Conversions

Conversions Part 2

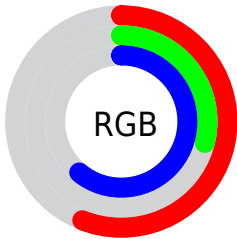
Format	Color
R_{YB}	142, 74, 155
Decimal	9325211
CIE _{Lab}	42.79, 41.61, -32.30
CIE _{LCh}	43, 52.676, 322.183
Yxy	13.0149, 0.3002, 0.2001
Android (android.graphics.Color)	4287515291 (0xFF8E4A9B)
YUV	103.5660, 25.3570, 33.7066
Hunter-Lab	36.0762, 33.4515, -28.1488

Details

The XYZ color **19.5205, 13.0149, 32.4936** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.8882, 25.9636, 10.6005**, and the grayscale version is **12.9747, 13.6504, 14.8653**.

A 20% lighter version of the original color is **41.9924, 31.1907, 64.7799**, and **6.8744, 3.7159, 13.1869** is the 20% darker color. If you saturate the color by 10%, you get **18.1884, 10.9770, 32.1706**, and if you desaturate by 10%, it is **21.1180, 15.5688, 32.9025**.

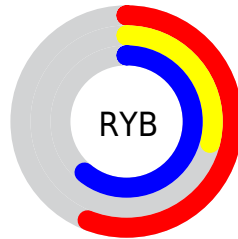
Distribution



Red (56%)

Green (29%)

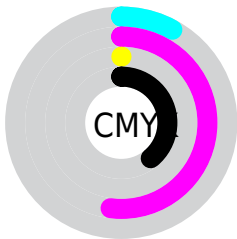
Blue (61%)



Red (56%)

Yellow (29%)

Blue (61%)

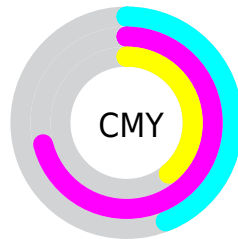


Cyan (8%)

Magenta (52%)

Yellow (0%)

Black (39%)



Cyan (44%)

Magenta (71%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5205, 13.0149, 32.4936 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 19.5205, 13.0149, 32.4936 by changing the saturation by 10% instead.

■ 19.5205, 13.0149,
32.4936

■ 19.5205, 13.0149,
32.4936

242.1907,
211.0131, 327.9234

■ 12.1532, 7.4388,
21.4709

■ 42.1219, 31.3305,
64.6910

■ 6.9210, 3.7380,
13.2740

■ 58.0867, 44.8389,
86.7027

■ 3.4587, 1.5281,
7.4846

■ 77.6481, 61.7601,
113.2145

■ 1.4007, 0.3084,
3.6839

■ 101.1714, 82.4786,
144.6449

■ 0.2567, 0.0000,
1.4536

■ 129.0219,
107.3788, 181.4124

■ 0.0000, 0.0000,
0.1830

161.5651,

■ 0.0000, 0.0000,

136.8450, 223.9357

0.0000

199.1662,
171.2616, 272.6332

■ 19.5205, 13.0149,
32.4936

■ 19.5205, 13.0149,
32.4936

■ 18.1884, 10.9770,
32.1706

■ 21.1180, 15.5688,
32.9025

■ 17.1012, 9.4151,
31.9265

■ 22.9967, 18.6713,
33.4024

■ 16.2376, 8.2864,
31.7541

■ 25.1729, 22.3542,
33.9986

■ 15.5716, 7.5392,
31.6450

■ 27.6609, 26.6466,
34.6959

■ 15.1415, 7.1223,
31.5872

■ 30.4744, 31.5754,
35.4990

■ 33.6261, 37.1660,
36.4120

■ 37.1281, 43.4424,
37.4389

■ 40.9917, 50.4275,
38.5835

■ 45.2279, 58.1428,
39.8494

Harmonies

Analogous

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



15.5178, 13.0149, 46.0558



19.5205, 13.0149, 32.4936



21.6957, 13.0149, 17.3934

Triad

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



19.5205, 13.0149, 32.4936



13.4495, 13.0149, 1.6178



6.5134, 13.0149, 24.2574

Complementary

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



19.5205, 13.0149, 32.4936



16.8882, 25.9636, 10.6005

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.



6.1932, 13.0149, 11.3734



19.5205, 13.0149, 32.4936



9.6800, 13.0149, 1.9782

Square

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



19.5205, 13.0149, 32.4936



17.7291, 13.0149, 2.9021



7.2218, 13.0149, 4.4822



8.2173, 13.0149, 39.7722

Rectangle

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



19.5205, 13.0149, 32.4936



21.5476, 13.0149, 10.0009



7.2218, 13.0149, 4.4822



6.2578, 13.0149, 19.3640

Sweetspot

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



19.5210, 13.0155, 32.4939



47.6613, 44.4683, 61.6075



12.1898, 10.7206, 32.4373



10.5961, 9.7343, 13.8908



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.5210, 13.0155, 32.4939



32.1557, 19.0414, 57.5169



19.8630, 13.4251, 21.9669



6.3639, 6.2735, 7.8045



12.1882, 5.7343, 25.3721



0.2052, 0.0976, 0.3804

Inverse Universe

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



17.6870, 12.5547, 10.5084



28.7545, 18.2740, 12.8154



16.8948, 25.8384, 16.4094



6.2472, 6.2381, 6.6820



11.0072, 5.6571, 1.2968



0.1735, 0.0882, 0.0666

Previews

White Background



This preview shows how the XYZ color 19.5205, 13.0149, 32.4936 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 19.5205, 13.0149, 32.4936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

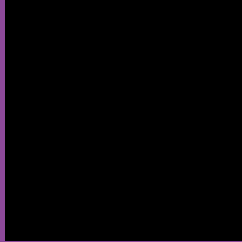
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5205, 13.0149, 32.4936

Background



This preview shows how black text looks on a background with the XYZ color 19.5205, 13.0149, 32.4936.



This preview shows how white text looks on a background with the XYZ color 19.5205, 13.0149,

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

19.5205, 13.0149, 32.4936

Protanopia

14.6444, 13.2563, 43.3818

Deuteranopia

13.4670, 13.2148, 30.6951



Tritanopia

15.5152, 13.0576, 12.7690

Trichromacy



Original Color

19.5205, 13.0149, 32.4936

Protanomaly

15.4337, 12.5566, 39.1463

Deuteranomaly

15.0021, 12.6327, 31.3534

Tritanomaly

16.6977, 12.9434, 18.4479

Monochromacy



Original Color

19.5205, 13.0149, 32.4936

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.9607, 13.1103, 20.4809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5205, 13.0149, 32.4936 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(142, 74, 155)` looks like.

```
.text, #text, p{  
    color:rgb(142, 74, 155)  
}
```

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(142, 74, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 74, 155) }
```

Border

The CSS property to change the border of an element to XYZ 19.5205, 13.0149, 32.4936 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(142, 74, 155) }
```


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

```
.border{ border-color:rgb(142, 74, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 74, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 74, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 74, 155);  
box-shadow:4px 4px 4px 4px rgb(142, 74,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5205, 13.0149, 32.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 74, 155) }
```

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

```
.background{ background-color: rgb(142, 74,  
155) }
```

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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