

Converting Colors

XYZ(21.2203, 14.4570, 39.9154)

Have a look what the booklet for
XYZ(21.2203, 14.4570, 39.9154)
contains.

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Color

**XYZ(21.1826, 14.4499,
39.7029)**

Conversions

Conversions Part 1

Format	Color
Hex	8D51AA
RGB	141, 81, 170
RGB Percent	55%, 32%, 67%
CMY	0.4471, 0.6823, 0.3333
CMYK	0.17, 0.52, 0.00, 0.33
HSL	280°, 35%, 49%
HSV	280°, 52%, 67%
XYZ	21.1826, 14.4499, 39.7029
YIQ	109.0860, 7.1910, 40.3990

Conversions

Conversions Part 2

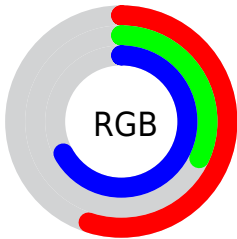
Format	Color
R_{YB}	141, 81, 170
Decimal	9261482
CIE _{Lab}	44.87, 40.77, -37.93
CIE _{LCh}	45, 55.687, 317.063
Yxy	14.4499, 0.2812, 0.1918
Android (android.graphics.Color)	4287451562 (0xFF8D51AA)
YUV	109.0860, 30.0306, 27.9886
Hunter-Lab	38.0130, 32.9456, -35.3166

Details

The XYZ color **21.1826, 14.4499, 39.7029** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **22.2909, 32.6589, 12.9142**, and the grayscale version is **14.4768, 15.2308, 16.5863**.

A 20% lighter version of the original color is **44.7437, 33.7293, 76.1037**, and **7.7254, 4.3390, 17.2600** is the 20% darker color. If you saturate the color by 10%, you get **19.1555, 11.7588, 39.2905**, and if you desaturate by 10%, it is **23.5742, 17.7990, 40.2235**.

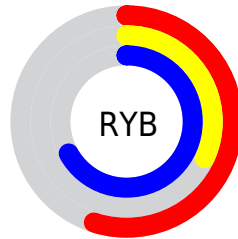
Distribution



Red (55%)

Green (32%)

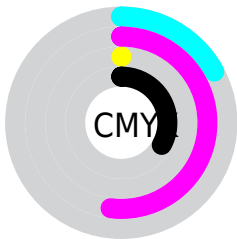
Blue (67%)



Red (55%)

Yellow (32%)

Blue (67%)

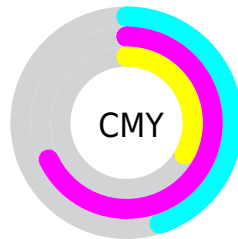


Cyan (17%)

Magenta (52%)

Yellow (0%)

Black (33%)



Cyan (45%)

Magenta (68%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1826, 14.4499, 39.7029 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 21.1826, 14.4499, 39.7029 by changing the saturation by 10% instead.

21.1826, 14.4499,
39.7029

21.1826, 14.4499,
39.7029

250.9607,
220.0120, 360.3845

13.3708, 8.4342,
26.9950

44.8802, 33.8852,
75.9430

7.7631, 4.3740,
17.3370

61.4967, 48.0736,
100.3123

3.9943, 1.8849,
10.3106

81.7788, 65.7551,
129.4057

1.6989, 0.5393,
5.4971

106.0919, 87.3140,
163.6419

0.4556, 0.0000,
2.4780

134.8012,
113.1348, 203.4393

0.0000, 0.0000,
0.8284

168.2722,

0.0000, 0.0000,

143.6018, 249.2165

0.0000

206.8703,
179.0994, 301.3921

■ 21.1826, 14.4499,
39.7029

■ 21.1826, 14.4499,
39.7029

■ 19.1555, 11.7588,
39.2905

■ 23.5742, 17.7990,
40.2235

■ 17.4664, 9.6753,
38.9774

■ 26.3508, 21.8477,
40.8587

■ 16.0878, 8.1447,
38.7546

■ 29.5333, 26.6363,
41.6152

■ 14.9860, 7.1011,
38.6113

■ 33.1406, 32.2016,
42.4993

■ 14.2744, 6.5205,
38.5367

■ 37.1901, 38.5777,
43.5166

■ 41.6985, 45.7968,
44.6724

■ 46.6814, 53.8891,
45.9717

■ 52.1536, 62.8836,
47.4194

■ 58.1292, 72.8078,
49.0200

Harmonies

Analogous

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



16.4632, 14.4499, 53.8736



21.1826, 14.4499, 39.7029



24.1416, 14.4499, 22.0329

Triad

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



21.1826, 14.4499, 39.7029



15.7865, 14.4499, 1.7714



6.9558, 14.4499, 24.2856

Complementary

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



21.1826, 14.4499, 39.7029



22.2909, 32.6589, 12.9142

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.



6.8528, 14.4499, 10.7662



21.1826, 14.4499, 39.7029



11.3248, 14.4499, 1.8824

Square

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



21.1826, 14.4499, 39.7029



20.5939, 14.4499, 3.5984



8.2753, 14.4499, 4.0966



8.5970, 14.4499, 42.1132

Rectangle

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



21.1826, 14.4499, 39.7029



24.3690, 14.4499, 12.8506



8.2753, 14.4499, 4.0966



6.7553, 14.4499, 19.0182

Sweetspot

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



21.1831, 14.4505, 39.7032



57.4575, 54.2764, 76.4499



16.2978, 15.9486, 40.2499



12.5223, 11.6550, 16.9773



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.1831, 14.4505, 39.7032



34.1626, 20.5793, 71.1735



25.4508, 16.8037, 32.9862



7.6007, 7.5423, 9.4735



10.5606, 4.8276, 28.3507



0.3072, 0.1433, 0.6921

Inverse Universe

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



22.3350, 15.5573, 16.5783



36.9737, 23.1019, 22.8038



19.8722, 31.3406, 16.0288



7.6281, 7.5811, 8.3590



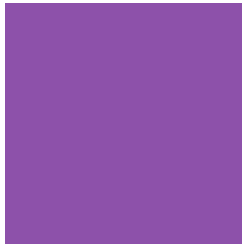
12.7321, 6.5016, 3.4010



0.3331, 0.1675, 0.2057

Previews

White Background



This preview shows how the XYZ color 21.1826, 14.4499, 39.7029 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 21.1826, 14.4499, 39.7029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

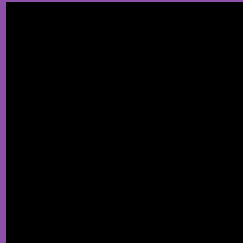
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1826, 14.4499, 39.7029

Background



This preview shows how black text looks on a background with the XYZ color 21.1826, 14.4499, 39.7029.



This preview shows how white text looks on a background with the XYZ color 21.1826, 14.4499,

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

21.1826, 14.4499, 39.7029

Protanopia

16.5343, 14.7860, 51.2728

Deuteranopia

14.9261, 14.5612, 37.6212



Tritanopia

16.1846, 14.3946, 15.2900

Trichromacy



Original Color

21.1826, 14.4499, 39.7029

Protanomaly

17.2443, 14.1118, 46.6147

Deuteranomaly

16.5053, 14.0487, 38.4010

Tritanomaly

17.6952, 14.2180, 22.5806

Monochromacy



Original Color

21.1826, 14.4499, 39.7029

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.4437, 14.6273, 23.4294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1826, 14.4499, 39.7029 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(141, 81, 170)` looks like.

```
.text, #text, p{  
    color:rgb(141, 81, 170)  
}
```

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(141, 81, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 81, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.1826, 14.4499, 39.7029 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(141, 81, 170) }
```


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

```
.border{ border-color:rgb(141, 81, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 81, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 81, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 81, 170);  
box-shadow:4px 4px 4px 4px rgb(141, 81,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1826, 14.4499, 39.7029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 81, 170) }
```

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

```
.background{ background-color: rgb(141, 81,  
170) }
```

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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