

Converting Colors

XYZ(21.9385, 14.2805, 29.9820)

Have a look what the booklet for
XYZ(21.9385, 14.2805, 29.9820)
contains.

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Color

**XYZ(21.9741, 14.3366,
30.0428)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4A95
RGB	158, 74, 149
RGB Percent	62%, 29%, 58%
CMY	0.3804, 0.7098, 0.4157
CMYK	0.00, 0.53, 0.06, 0.38
HSL	306°, 36%, 45%
HSV	306°, 53%, 62%
XYZ	21.9741, 14.3366, 30.0428
YIQ	107.6660, 25.9890, 41.1330

Conversions

Conversions Part 2

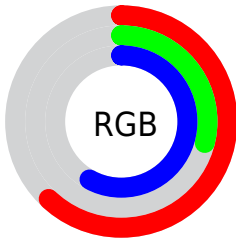
Format	Color
R_{YB}	158, 74, 149
Decimal	10373781
CIE _{Lab}	44.71, 45.19, -25.53
CIE _{LCh}	45, 51.898, 330.535
Yxy	14.3366, 0.3312, 0.2161
Android (android.graphics.Color)	4288563861 (0xFF9E4A95)
YUV	107.6660, 20.3777, 44.1429
Hunter-Lab	37.8637, 37.3305, -20.5388

Details

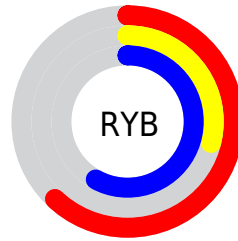
The XYZ color **21.9741, 14.3366, 30.0428** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.6129, 26.5345, 12.4307**, and the grayscale version is **14.1008, 14.8351, 16.1554**.

A 20% lighter version of the original color is **45.9719, 33.5296, 60.5488**, and **8.1637, 4.3252, 11.9598** is the 20% darker color. If you saturate the color by 10%, you get **20.9147, 12.4322, 29.0277**, and if you desaturate by 10%, it is **23.3014, 16.7730, 31.1571**.

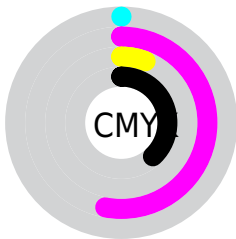
Distribution



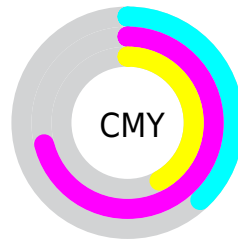
- Red (62%)
- Green (29%)
- Blue (58%)



- Red (62%)
- Yellow (29%)
- Blue (58%)



- Cyan (0%)
- Magenta (53%)
- Yellow (6%)
- Black (38%)



- Cyan (38%)
- Magenta (71%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9741, 14.3366, 30.0428 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 21.9741, 14.3366, 30.0428 by changing the saturation by 10% instead.

■ 21.9741, 14.3366,
30.0428

■ 21.9741, 14.3366,
30.0428

255.0459,
219.3149, 316.3174

■ 13.9544, 8.3551,
19.6187

■ 46.1824, 33.6851,
60.7917

■ 8.1704, 4.3230,
11.9369

■ 63.1016, 47.8209,
81.9536

■ 4.2569, 1.8559,
6.5787

■ 83.7180, 65.4437,
107.5318

■ 1.8485, 0.5216,
3.1256

■ 108.3971, 86.9377,
137.9450

■ 0.5466, 0.0000,
1.1591

■ 137.5040,
112.6875, 173.6116

■ 0.0000, 0.0000,
0.0000

171.4042,

143.0773, 214.9501

210.4631,
178.4917, 262.3792

■ 21.9741, 14.3366,
30.0428

■ 21.9741, 14.3366,
30.0428

■ 20.9147, 12.4322,
29.0277

■ 23.3014, 16.7730,
31.1571

■ 20.1014, 11.0173,
28.1042

■ 24.9132, 19.7756,
32.3759

■ 19.5116, 10.0462,
27.2648

■ 26.8267, 23.3782,
33.7050

■ 19.1178, 9.4639,
26.5003

■ 29.0569, 27.6113,
35.1495

■ 18.9136, 9.1944,
26.0047

■ 31.6183, 32.5034,
36.7143

■ 34.5241, 38.0812,
38.4037

■ 37.7870, 44.3700,
40.2221

■ 41.4189, 51.3936,
42.1735

■ 45.4314, 59.1749,
44.2618

Harmonies

Analogous

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



18.1745, 14.3366, 45.3645



21.9741, 14.3366, 30.0428



23.4474, 14.3366, 15.3942

Triad

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



21.9741, 14.3366, 30.0428



13.5509, 14.3366, 2.0011



7.7685, 14.3366, 30.6278

Complementary

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



21.9741, 14.3366, 30.0428



16.6129, 26.5345, 12.4307

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.



7.0210, 14.3366, 15.8280



21.9741, 14.3366, 30.0428



9.9086, 14.3366, 2.9361

Square

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



21.9741, 14.3366, 30.0428



18.0160, 14.3366, 2.8655



7.7165, 14.3366, 6.7481



10.0150, 14.3366, 45.8076

Rectangle

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



21.9741, 14.3366, 30.0428



22.7159, 14.3366, 8.7998



7.7165, 14.3366, 6.7481



7.3571, 14.3366, 25.2534

Sweetspot

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



21.9746, 14.3373, 30.0431



51.4271, 47.5929, 62.9813



12.1356, 9.1788, 33.4801



11.4160, 10.3914, 14.0843



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.9746, 14.3373, 30.0431



37.6365, 21.9691, 52.3502



19.2354, 13.2416, 15.6189



6.8735, 6.7423, 8.1851



15.1565, 7.3672, 20.8727



0.2789, 0.1349, 0.4148

Inverse Universe

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



21.9746, 14.3373, 30.0431



37.6365, 21.9691, 52.3502



18.7149, 27.3754, 23.5000



6.8735, 6.7423, 8.1851



15.1565, 7.3672, 20.8727



0.2789, 0.1349, 0.4148

Previews

White Background



This preview shows how the XYZ color 21.9741, 14.3366, 30.0428 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 21.9741, 14.3366, 30.0428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

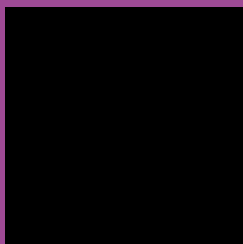
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9741, 14.3366, 30.0428

Background



This preview shows how black text looks on a background with the XYZ color 21.9741, 14.3366, 30.0428.



This preview shows how white text looks on a background with the XYZ color 21.9741, 14.3366,

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

21.9741, 14.3366, 30.0428

Protanopia

15.7322, 14.5763, 42.0287

Deuteranopia

14.9095, 14.6036, 28.4185



Tritanopia

18.3775, 14.2999, 12.3812

Trichromacy



Original Color

21.9741, 14.3366, 30.0428

Protanomaly

16.7693, 13.6711, 37.3523

Deuteranomaly

16.7988, 14.0027, 29.0115

Tritanomaly

19.3810, 14.1195, 17.6234

Monochromacy



Original Color

21.9741, 14.3366, 30.0428

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.3622, 14.2314, 20.6234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9741, 14.3366, 30.0428 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(158, 74, 149)` looks like.

```
.text, #text, p{  
    color:rgb(158, 74, 149)  
}
```

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(158, 74, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 74, 149) }
```

Border

The CSS property to change the border of an element to XYZ 21.9741, 14.3366, 30.0428 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(158, 74, 149) }
```


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

```
.border{ border-color:rgb(158, 74, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 74, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 74, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 74, 149);  
box-shadow:4px 4px 4px 4px rgb(158, 74,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9741, 14.3366, 30.0428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 74, 149) }
```

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

```
.background{ background-color: rgb(158, 74,  
149) }
```

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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