

Converting Colors

XYZ(22.2291, 14.4573, 21.2957)

Have a look what the booklet for
XYZ(22.2291, 14.4573, 21.2957)
contains.

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Color

**XYZ(22.2317, 14.4659,
21.3591)**

Conversions

Conversions Part 1

Format	Color
Hex	A8487E
RGB	168, 72, 126
RGB Percent	66%, 28%, 49%
CMY	0.3412, 0.7176, 0.5059
CMYK	0.00, 0.57, 0.25, 0.34
HSL	326°, 40%, 47%
HSV	326°, 57%, 66%
XYZ	22.2317, 14.4659, 21.3591
YIQ	106.8600, 39.8820, 37.1460

Conversions

Conversions Part 2

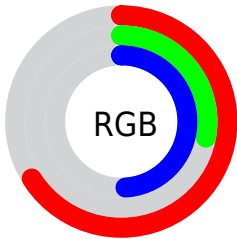
Format	Color
R_{YB}	168, 72, 126
Decimal	11028606
CIE _{Lab}	44.89, 45.60, -11.22
CIE _{LCh}	45, 46.956, 346.177
Yxy	14.4659, 0.3829, 0.2492
Android (android.graphics.Color)	4289218686 (0xFFA8487E)
YUV	106.8600, 9.4360, 53.6198
Hunter-Lab	38.0341, 37.7773, -6.6721




Details

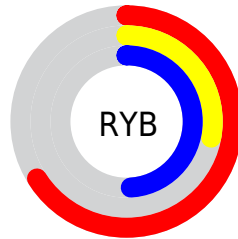
The XYZ color **22.2317, 14.4659, 21.3591** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.7131, 30.5983, 20.7882**, and the grayscale version is **13.9039, 14.6279, 15.9298**.




A 20% lighter version of the original color is **46.8343, 34.0907, 46.7595**, and **8.3204, 4.3882, 7.4296** is the 20% darker color. If you saturate the color by 10%, you get **20.8333, 12.4003, 18.6382**, and if you desaturate by 10%, it is **23.9626, 17.1404, 24.3630**.

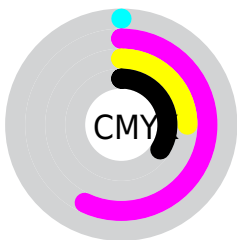
Distribution







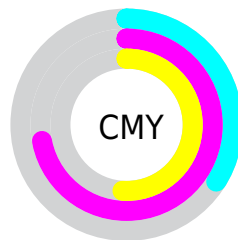
-  Red (66%)
-  Green (28%)
-  Blue (49%)






-  Red (66%)
-  Yellow (28%)
-  Blue (49%)



-  Cyan (0%)
-  Magenta (57%)
-  Yellow (25%)
-  Black (34%)



-  Cyan (34%)
-  Magenta (72%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2317, 14.4659, 21.3591 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 22.2317, 14.4659, 21.3591 by changing the saturation by 10% instead.

■ 22.2317, 14.4659,
21.3591

■ 22.2317, 14.4659,
21.3591

256.3636,
220.1103, 272.0243

■ 14.1448, 8.4454,
13.1930

■ 46.6047, 33.9134,
46.5729

■ 8.3038, 4.3813,
7.4293

■ 63.6214, 48.1093,
64.4577

■ 4.3434, 1.8890,
3.6495

■ 84.3455, 65.7990,
86.4191

■ 1.8982, 0.5418,
1.4351

■ 109.1423, 87.3671,
112.8756

■ 0.5758, 0.0000,
0.1689

■ 138.3772,
113.1979, 144.2459

■ 0.0000, 0.0000,
0.0000

172.4154,

143.6757, 180.9484

211.6224,
179.1850, 223.4017

■ 22.2317, 14.4659,
21.3591

■ 22.2317, 14.4659,
21.3591

■ 20.8333, 12.4003,
18.6382

■ 23.9626, 17.1404,
24.3630

■ 19.7404, 10.8914,
16.1874

■ 26.0475, 20.4659,
27.6603

■ 18.9241, 9.8821,
13.9932

■ 28.5073, 24.4834,
31.2616

■ 18.3397, 9.2848,
12.0370

■ 31.3611, 29.2297,
35.1766

■ 18.1913, 9.1420,
11.5127

■ 34.6265, 34.7390,
39.4143

■ 38.3202, 41.0435,
43.9836

■ 42.4576, 48.1734,
48.8927

■ 47.0537, 56.1574,
54.1496

■ 52.1226, 65.0226,
59.7620

Harmonies

Analogous

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



19.7901, 14.4659, 35.3841



22.2317, 14.4659, 21.3591



22.1238, 14.4659, 10.5663

Triad

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



22.2317, 14.4659, 21.3591



11.7943, 14.4659, 2.9241



9.2466, 14.4659, 36.4473

Complementary

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



22.2317, 14.4659, 21.3591



19.7131, 30.5983, 20.7882

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.



7.8103, 14.4659, 22.4028



22.2317, 14.4659, 21.3591



9.0831, 14.4659, 5.1813

Square

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



22.2317, 14.4659, 21.3591



15.5889, 14.4659, 2.8516



7.7566, 14.4659, 11.2219



12.0606, 14.4659, 46.4746

Rectangle

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



22.2317, 14.4659, 21.3591



20.6074, 14.4659, 6.2798



7.7566, 14.4659, 11.2219



8.6117, 14.4659, 31.8085

Sweetspot

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



22.2321, 14.4666, 21.3594



56.8138, 52.8816, 63.7057



16.2735, 11.0134, 38.3140



12.1566, 11.1473, 13.5815



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.2321, 14.4666, 21.3594



37.1275, 21.5419, 32.3796



19.8559, 13.5161, 8.8464



7.7012, 7.6103, 8.7435



13.7634, 6.9141, 8.8314



0.3599, 0.1782, 0.3466

Inverse Universe

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



22.2321, 14.4666, 21.3594



37.1275, 21.5419, 32.3796



23.1617, 31.9778, 38.9482



7.7012, 7.6103, 8.7435



13.7634, 6.9141, 8.8314



0.3599, 0.1782, 0.3466

Previews

White Background



This preview shows how the XYZ color 22.2317, 14.4659, 21.3591 looks on a white background.

Color Contrast Check

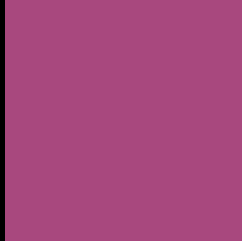
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2317, 14.4659, 21.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

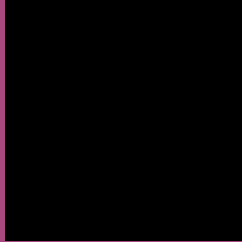
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2317, 14.4659, 21.3591

Background



This preview shows how black text looks on a background with the XYZ color 22.2317, 14.4659, 21.3591.



This preview shows how white text looks on a background with the XYZ color 22.2317, 14.4659,

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

22.2317, 14.4659, 21.3591

Protanopia

15.0708, 14.6323, 30.8842

Deuteranopia

14.9570, 14.6606, 20.1306



Tritanopia

19.9320, 14.4493, 10.5426

Trichromacy



Original Color

22.2317, 14.4659, 21.3591

Protanomaly

16.4678, 13.7449, 26.9844

Deuteranomaly

16.9180, 13.9899, 20.5475

Tritanomaly

20.5904, 14.3877, 14.0038

Monochromacy



Original Color

22.2317, 14.4659, 21.3591

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

16.0932, 13.8874, 17.7519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2317, 14.4659, 21.3591 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(168, 72, 126)` looks like.

```
.text, #text, p{  
    color:rgb(168, 72, 126)  
}
```

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(168, 72, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 72, 126) }
```

Border

The CSS property to change the border of an element to XYZ 22.2317, 14.4659, 21.3591 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(168, 72, 126) }
```


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

```
.border{ border-color:rgb(168, 72, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 72, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 72, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 72, 126);  
box-shadow:4px 4px 4px 4px rgb(168, 72,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2317, 14.4659, 21.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 72, 126) }
```

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

```
.background{ background-color: rgb(168, 72,  
126) }
```

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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