

Converting Colors

XYZ(21.2621, 15.4349, 16.9488)

Have a look what the booklet for
XYZ(21.2621, 15.4349, 16.9488)
contains.

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Color

**XYZ(21.2220, 15.4312,
16.8989)**

Conversions

Conversions Part 1

Format	Color
Hex	A3556F
RGB	163, 85, 111
RGB Percent	64%, 33%, 44%
CMY	0.3608, 0.6666, 0.5647
CMYK	0.00, 0.48, 0.32, 0.36
HSL	340°, 31%, 49%
HSV	340°, 48%, 64%
XYZ	21.2220, 15.4312, 16.8989
YIQ	111.2860, 38.1420, 24.6220

Conversions

Conversions Part 2

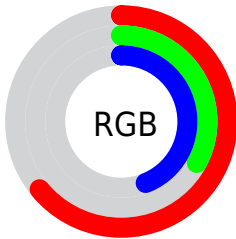
Format	Color
R _Y B	163, 85, 111
Decimal	10704239
CIE Lab	46.22, 35.15, -0.21
CIE LCh	46, 35.147, 359.664
Yxy	15.4312, 0.3963, 0.2882
Android (android.graphics.Color)	4288894319 (0xFFA3556F)
YUV	111.2860, -0.1410, 45.3532
Hunter-Lab	39.2826, 27.6883, 1.9919

Details

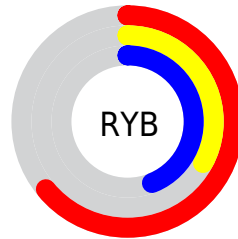
The XYZ color **21.2220, 15.4312, 16.8989** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.3596, 29.9322, 28.3202**, and the grayscale version is **15.1856, 15.9764, 17.3983**.

A 20% lighter version of the original color is **45.0717, 35.7513, 39.1755**, and **7.8049, 4.8122, 5.2201** is the 20% darker color. If you saturate the color by 10%, you get **19.5210, 12.9292, 13.5572**, and if you desaturate by 10%, it is **23.2923, 18.5550, 20.7233**.

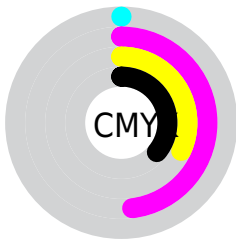
Distribution



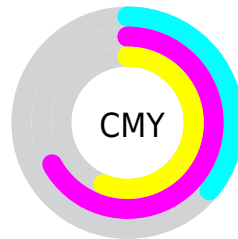
- Red (64%)
- Green (33%)
- Blue (44%)



- Red (64%)
- Yellow (33%)
- Blue (44%)



- Cyan (0%)
- Magenta (48%)
- Yellow (32%)
- Black (36%)



- Cyan (36%)
- Magenta (67%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2220, 15.4312, 16.8989 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 21.2220, 15.4312, 16.8989 by changing the saturation by 10% instead.

21.2220, 15.4312,
16.8989

21.2220, 15.4312,
16.8989

251.1654,
225.9615, 246.6133

13.3998, 9.1226,
10.0012

44.9452, 35.6079,
38.9401

7.7833, 4.8212,
5.2942

61.5769, 50.2447,
54.9208

4.0072, 2.1427,
2.3591

81.8758, 68.4264,
74.7662

1.7062, 0.6885,
0.7641

106.2072, 90.5373,
98.8949

0.4602, 0.0000,
0.0000

134.9365,
116.9619, 127.7254

0.0000, 0.0000,
0.0000

168.4291,

148.0846, 161.6763

207.0502,
184.2896, 201.1661

■ 21.2220, 15.4312,
16.8989

■ 21.2220, 15.4312,
16.8989

■ 19.5210, 12.9292,
13.5572

■ 23.2923, 18.5550,
20.7233

■ 18.1648, 11.0045,
10.6766

■ 25.7516, 22.3366,
25.0485

■ 17.1278, 9.6104,
8.2352

■ 28.6199, 26.8118,
29.8932

■ 16.3802, 8.6917,
6.2085

■ 31.9152, 32.0134,
35.2743

■ 15.8725, 8.1547,
4.5646

■ 35.6547, 37.9717,
41.2082

■ 15.7779, 8.0560,
4.2539

■ 39.8542, 44.7156,
47.7105

■ 44.5291, 52.2725,
54.7962

■ 49.6938, 60.6681,
62.4797

■ 55.3624, 69.9275,
70.7748

Harmonies

Analogous

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



20.2280, 15.4312, 26.5994



21.2220, 15.4312, 16.8989



20.2699, 15.4312, 9.8822

Triad

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



21.2220, 15.4312, 16.8989



11.9941, 15.4312, 6.1494



11.9430, 15.4312, 35.4661

Complementary

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



21.2220, 15.4312, 16.8989



21.3596, 29.9322, 28.3202

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.



10.2051, 15.4312, 26.3724



21.2220, 15.4312, 16.8989



10.2317, 15.4312, 9.7650

Square

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



21.2220, 15.4312, 16.8989



14.7007, 15.4312, 5.1072



9.6232, 15.4312, 16.7054



14.6331, 15.4312, 39.3181

Rectangle

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



21.2220, 15.4312, 16.8989



18.7249, 15.4312, 7.0955



9.6232, 15.4312, 16.7054



11.2421, 15.4312, 32.7963

Sweetspot

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



21.2224, 15.4320, 16.8992



53.2852, 51.2099, 56.8843



20.1765, 14.4606, 36.3782



11.7027, 11.0845, 12.3400



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.2224, 15.4320, 16.8992



34.9041, 23.0735, 24.1646



21.1122, 17.1786, 10.7983



7.1666, 7.1231, 7.8638



12.2816, 6.2687, 3.4074



0.2793, 0.1402, 0.1832

Inverse Universe

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



21.2224, 15.4320, 16.8992



34.9041, 23.0735, 24.1646



21.2641, 26.3889, 38.6233



7.1666, 7.1231, 7.8638



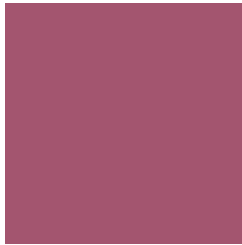
12.2816, 6.2687, 3.4074



0.2793, 0.1402, 0.1832

Previews

White Background



This preview shows how the XYZ color 21.2220, 15.4312, 16.8989 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

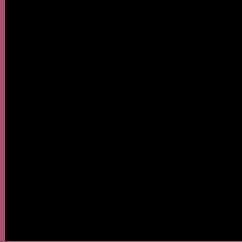
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2220, 15.4312, 16.8989

Background



This preview shows how black text looks on a background with the XYZ color 21.2220, 15.4312, 16.8989.



This preview shows how white text looks on a background with the XYZ color 21.2220, 15.4312,

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

21.2220, 15.4312, 16.8989

Protanopia

15.2979, 15.5694, 21.9376

Deuteranopia

15.8339, 15.5072, 16.0686



Tritanopia

20.4104, 15.4690, 12.4997

Trichromacy



Original Color

21.2220, 15.4312, 16.8989

Protanomaly

16.7608, 15.0068, 20.1024

Deuteranomaly

17.3910, 15.1364, 16.1924

Tritanomaly

20.6087, 15.4179, 13.9463

Monochromacy



Original Color

21.2220, 15.4312, 16.8989

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.8265, 15.3963, 17.1238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2220, 15.4312, 16.8989 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(163, 85, 111)` looks like.

```
.text, #text, p{  
    color:rgb(163, 85, 111)  
}
```

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(163, 85, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 85, 111) }
```

Border

The CSS property to change the border of an element to XYZ 21.2220, 15.4312, 16.8989 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(163, 85, 111) }
```


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

```
.border{ border-color:rgb(163, 85, 111) }
```

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

Here you see how a box with a 4 pixel rgb(163, 85, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 85, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 85, 111);  
box-shadow:4px 4px 4px 4px rgb(163, 85,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2220, 15.4312, 16.8989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 85, 111) }
```

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

```
.background{ background-color: rgb(163, 85,  
111) }
```

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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