

Converting Colors

XYZ(21.2038, 11.4625, 37.6556)

Have a look what the booklet for
XYZ(21.2038, 11.4625, 37.6556)
contains.

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Color

**XYZ(21.2022, 11.4614,
37.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	9A2CA7
RGB	154, 44, 167
RGB Percent	60%, 17%, 65%
CMY	0.3961, 0.8274, 0.3451
CMYK	0.08, 0.74, 0.00, 0.35
HSL	294°, 58%, 41%
HSV	294°, 74%, 65%
XYZ	21.2022, 11.4614, 37.6540
YIQ	90.9120, 26.0770, 61.5730

Conversions

Conversions Part 2

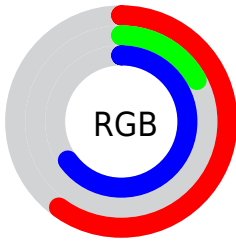
Format	Color
RYB	154, 44, 167
Decimal	10103975
CIELab	40.35, 60.36, -43.23
CIElCh	40, 74.248, 324.389
Yxy	11.4614, 0.3015, 0.1630
Android (android.graphics.Color)	4288294055 (0xFF9A2CA7)
YUV	90.9120, 37.5114, 55.3282
Hunter-Lab	33.8547, 52.5436, -42.2455

Details

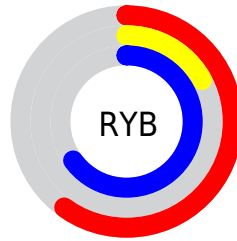
The XYZ color **21.2022, 11.4614, 37.6540** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.9610, 28.6894, 7.0797**, and the grayscale version is **9.8380, 10.3504, 11.2715**.

A 20% lighter version of the original color is **44.8369, 28.4840, 72.9468**, and **8.1829, 3.8676, 16.2348** is the 20% darker color. If you saturate the color by 10%, you get **20.3673, 10.2862, 37.4713**, and if you desaturate by 10%, it is **22.2933, 13.1407, 37.9208**.

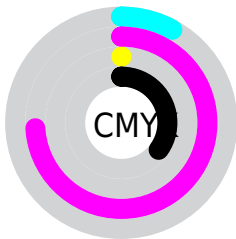
Distribution



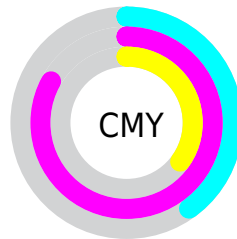
- Red (60%)
- Green (17%)
- Blue (65%)



- Red (60%)
- Yellow (17%)
- Blue (65%)



- Cyan (8%)
- Magenta (74%)
- Yellow (0%)
- Black (35%)




- Cyan (40%)
- Magenta (83%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2022, 11.4614, 37.6540 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 21.2022, 11.4614, 37.6540 by changing the saturation by 10% instead.


 21.2022, 11.4614,
37.6540


 21.2022, 11.4614,
37.6540

251.0626,
200.8062, 351.3870


 13.3852, 6.3781,
25.4145


 44.9126, 28.5103,
72.7750

 7.7731, 3.0763,
16.1643


 61.5366, 41.2446,
96.4937


 4.0007, 1.1717,
9.4849


 81.8270, 57.2981,
124.8757

 1.7025, 0.0384,
4.9577

 106.1492, 77.0551,
158.3398

 0.4579, 0.0000,
2.1641

 134.8685,
100.9000, 197.3044

 0.0000, 0.0000,
0.6536

 168.3503,

 0.0000, 0.0000,

129.2173, 242.1881

0.0000

206.9598,
162.3912, 293.4095

■ 21.2022, 11.4614,
37.6540

■ 21.2022, 11.4614,
37.6540

■ 20.3673, 10.2862,
37.4713

■ 22.2933, 13.1407,
37.9208

■ 19.7550, 9.5493,
37.3614

■ 23.6659, 15.3762,
38.2800

■ 19.4337, 9.2127,
37.3133

■ 25.3440, 18.2153,
38.7395

■ 27.3485, 21.6997,
39.3064

■ 29.6985, 25.8676,
39.9870

■ 32.4115, 30.7541,
40.7872

■ 35.5039, 36.3919,
41.7125

■ 38.9911, 42.8118,
42.7678

■ 42.8876, 50.0426,
43.9582

Harmonies

Analogous

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



15.5620, 11.4614, 60.8868



21.2022, 11.4614, 37.6540



24.1686, 11.4614, 15.4911

Triad

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



21.2022, 11.4614, 37.6540



11.9000, 11.4614, 0.0000



4.0928, 11.4614, 28.4160

Complementary

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



21.2022, 11.4614, 37.6540



15.9610, 28.6894, 7.0797

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.



3.6690, 11.4614, 9.8860



21.2022, 11.4614, 37.6540



7.2670, 11.4614, 0.1357

Square

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



21.2022, 11.4614, 37.6540



17.8081, 11.4614, 0.6432



4.6227, 11.4614, 2.1333



6.0504, 11.4614, 53.1892

Rectangle

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



21.2022, 11.4614, 37.6540



23.7196, 11.4614, 6.6339



4.6227, 11.4614, 2.1333



3.7991, 11.4614, 21.0262

Sweetspot

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



21.2027, 11.4619, 37.6542



53.7599, 47.3509, 71.7815



9.5449, 6.3875, 37.2892



11.7682, 10.1274, 15.9867



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.



21.2027, 11.4619, 37.6542



35.7807, 17.5513, 66.9772



20.2184, 11.3697, 18.8511



7.7627, 7.6258, 9.4811



14.8953, 7.0622, 28.5536



0.3839, 0.1829, 0.6957

Inverse Universe

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



17.5758, 10.3126, 4.9355



29.4071, 15.6512, 4.0732



16.7526, 28.9311, 14.6334



7.5621, 7.5547, 8.0115



12.2854, 6.3229, 1.0488



0.3085, 0.1577, 0.0761

Previews

White Background



This preview shows how the XYZ color 21.2022, 11.4614, 37.6540 looks on a white background.

Color Contrast Check

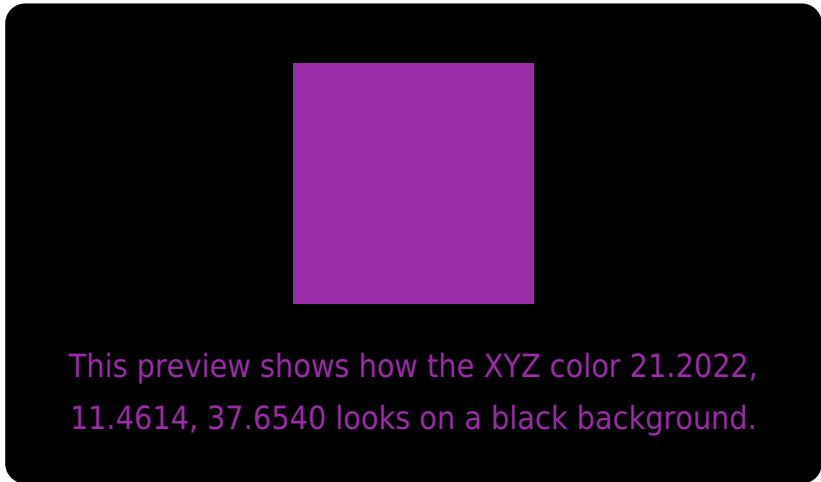
Large Text (above 18pt) WCAG AA ✓ Pass

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

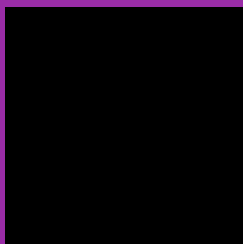
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2022, 11.4614, 37.6540

Background



This preview shows how black text looks on a background with the XYZ color 21.2022, 11.4614, 37.6540.

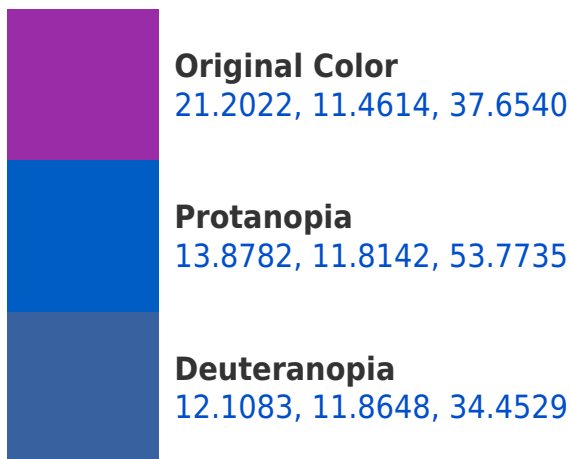


This preview shows how white text looks on a background with the XYZ color 21.2022, 11.4614,

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





Tritanopia

15.3290, 11.4659, 9.1898

Trichromacy



Original Color

21.2022, 11.4614, 37.6540



Protanomaly

12.9039, 9.3757, 47.0285



Deuteranomaly

13.5604, 10.2816, 35.4522



Tritanomaly

16.7906, 11.0397, 16.5751

Monochromacy



Original Color

21.2022, 11.4614, 37.6540



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

12.7180, 9.8069, 18.6754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2022, 11.4614, 37.6540 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(154, 44, 167)` looks like.

```
.text, #text, p{  
    color:rgb(154, 44, 167)  
}
```

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(154, 44, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 44, 167) }
```

Border

The CSS property to change the border of an element to XYZ 21.2022, 11.4614, 37.6540 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(154, 44, 167) }
```


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

```
.border{ border-color:rgb(154, 44, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 44, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 44, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 44, 167);  
box-shadow:4px 4px 4px 4px rgb(154, 44,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2022, 11.4614, 37.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 44, 167) }
```

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

```
.background{ background-color: rgb(154, 44,  
167) }
```

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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