

Converting Colors

XYZ(22.4710, 14.4749, 35.1662)

Have a look what the booklet for
XYZ(22.4710, 14.4749, 35.1662)
contains.

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Color

**XYZ(22.5921, 14.5387,
35.3337)**

Conversions

Conversions Part 1

Format	Color
Hex	9C4AA1
RGB	156, 74, 161
RGB Percent	61%, 29%, 63%
CMY	0.3882, 0.7098, 0.3686
CMYK	0.03, 0.54, 0.00, 0.37
HSL	297°, 37%, 46%
HSV	297°, 54%, 63%
XYZ	22.5921, 14.5387, 35.3337
YIQ	108.4360, 20.9450, 44.4410

Conversions

Conversions Part 2

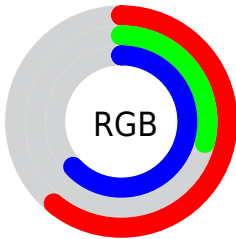
Format	Color
R_{YB}	156, 74, 161
Decimal	10242721
CIE _{Lab}	45.00, 46.81, -32.27
CIE _{LCh}	45, 56.858, 325.417
Yxy	14.5387, 0.3118, 0.2006
Android (android.graphics.Color)	4288432801 (0xFF9C4AA1)
YUV	108.4360, 25.9141, 41.7136
Hunter-Lab	38.1296, 39.0357, -28.2517

Details

The XYZ color **22.5921, 14.5387, 35.3337** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.2058, 27.6467, 10.9088**, and the grayscale version is **14.3021, 15.0470, 16.3862**.

A 20% lighter version of the original color is **47.0069, 33.8766, 69.0271**, and **8.4727, 4.3947, 14.8697** is the 20% darker color. If you saturate the color by 10%, you get **21.4734, 12.5657, 35.0120**, and if you desaturate by 10%, it is **23.9883, 17.0638, 35.7477**.

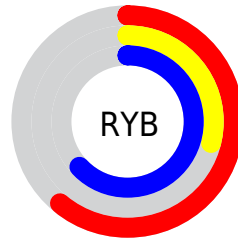
Distribution



Red (61%)

Green (29%)

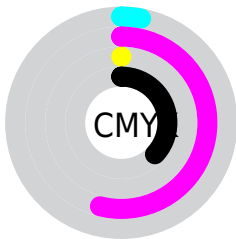
Blue (63%)



Red (61%)

Yellow (29%)

Blue (63%)

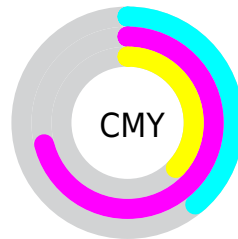


Cyan (3%)

Magenta (54%)

Yellow (0%)

Black (37%)



Cyan (39%)


Magenta (71%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5921, 14.5387, 35.3337 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 22.5921, 14.5387, 35.3337 by changing the saturation by 10% instead.


 22.5921, 14.5387,
35.3337


 22.5921, 14.5387,
35.3337


258.1976,
220.5568, 340.9877


 14.4116, 8.4963,
23.6344

 47.1943, 34.0419,
69.1598


 8.4911, 4.4141,
14.8530


 64.3467, 48.2714,
92.1238


 4.4652, 1.9078,
8.5708


 85.2205, 65.9988,
119.6797

 1.9685, 0.5531,
4.3693

 110.1811, 87.6084,
152.2461

 0.6162, 0.0000,
1.8301

 139.5937,
113.4846, 190.2416

 0.0000, 0.0000,
0.4477

173.8238,

 0.0000, 0.0000,

144.0118, 234.0846

0.0000

213.2366,
179.5744, 284.1938

■ 22.5921, 14.5387,
35.3337

■ 22.5921, 14.5387,
35.3337

■ 21.4734, 12.5657,
35.0120

■ 23.9883, 17.0638,
35.7477

■ 20.6092, 11.1001,
34.7747

■ 25.6795, 20.1774,
36.2596

■ 19.9754, 10.0932,
34.6138

■ 27.6838, 23.9152,
36.8754

■ 19.5425, 9.4861,
34.5194

■ 30.0173, 28.3093,
37.6005

■ 19.3349, 9.2244,
34.4798

■ 32.6949, 33.3896,
38.4400

■ 35.7308, 39.1843,
39.3985

■ 39.1382, 45.7200,
40.4804

■ 42.9296, 53.0218,
41.6900

■ 47.1172, 61.1138,
43.0312

Harmonies

Analogous

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



18.0348, 14.5387, 52.1892



22.5921, 14.5387, 35.3337



24.8203, 14.5387, 17.9716

Triad

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



22.5921, 14.5387, 35.3337



14.5474, 14.5387, 1.5516



7.1997, 14.5387, 29.6057

Complementary

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



22.5921, 14.5387, 35.3337



17.2058, 27.6467, 10.9088

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.



6.6700, 14.5387, 13.8660



22.5921, 14.5387, 35.3337



10.3167, 14.5387, 2.1206

Square

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



22.5921, 14.5387, 35.3337



19.5575, 14.5387, 2.7044



7.6736, 14.5387, 5.2713



9.3290, 14.5387, 47.7755

Rectangle

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



22.5921, 14.5387, 35.3337



24.3884, 14.5387, 9.9384



7.6736, 14.5387, 5.2713



6.8525, 14.5387, 23.6842

Sweetspot

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



22.5926, 14.5393, 35.3340



52.7584, 48.8106, 67.0273



12.1117, 9.7378, 34.9596



11.3910, 10.3661, 14.6441



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.



22.5926, 14.5393, 35.3340



38.0811, 21.8555, 62.5980



20.7412, 13.9128, 20.4304



7.3240, 7.1814, 8.9032



15.4540, 7.3733, 27.5385



0.3360, 0.1607, 0.5792

Inverse Universe

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



18.5585, 13.0398, 8.9365



30.2025, 18.9533, 9.8502



18.4774, 28.1091, 19.6942



7.0895, 7.0923, 7.4578



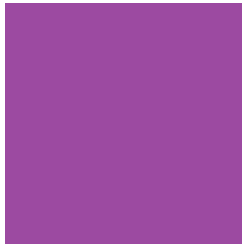
11.7846, 6.0699, 0.7903



0.2523, 0.1294, 0.0411

Previews

White Background



This preview shows how the XYZ color 22.5921, 14.5387, 35.3337 looks on a white background.

Color Contrast Check

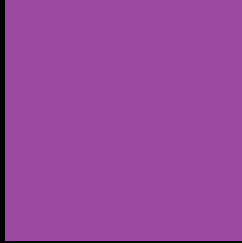
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5921, 14.5387, 35.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

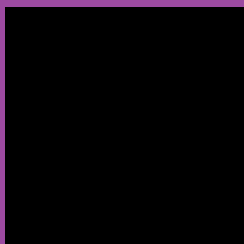
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.5921, 14.5387, 35.3337

Background



This preview shows how black text looks on a background with the XYZ color 22.5921, 14.5387, 35.3337.



This preview shows how white text looks on a background with the XYZ color 22.5921, 14.5387,

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

22.5921, 14.5387, 35.3337

Protanopia

16.4817, 14.7967, 49.5643

Deuteranopia

15.0009, 14.7009, 33.0573



Tritanopia

18.0266, 14.4713, 13.1524

Trichromacy



Original Color

22.5921, 14.5387, 35.3337



Protanomaly

17.3171, 13.8098, 43.8723



Deuteranomaly

16.7706, 13.8845, 33.6944



Tritanomaly

19.3230, 14.2760, 19.5064

Monochromacy



Original Color

22.5921, 14.5387, 35.3337



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

16.4711, 14.2580, 21.9626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5921, 14.5387, 35.3337 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(156, 74, 161)` looks like.

```
.text, #text, p{  
  color:rgb(156, 74, 161)  
}
```

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(156, 74, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 74, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.5921, 14.5387, 35.3337 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(156, 74, 161) }
```


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

```
.border{ border-color:rgb(156, 74, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 74, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 74, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 74, 161);  
box-shadow:4px 4px 4px 4px rgb(156, 74,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5921, 14.5387, 35.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 74, 161) }
```

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

```
.background{ background-color: rgb(156, 74,  
161) }
```

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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