

Converting Colors

XYZ(21.7859, 14.2575, 33.3940)

Have a look what the booklet for
XYZ(21.7859, 14.2575, 33.3940)
contains.

XYZ(21.7387, 14.2388, 33.5009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7387, 14.2388,
33.5009)**

Conversions

Conversions Part 1

Format	Color
Hex	994B9D
RGB	153, 75, 157
RGB Percent	60%, 29%, 62%
CMY	0.4000, 0.7059, 0.3843
CMYK	0.03, 0.52, 0.00, 0.38
HSL	297°, 35%, 45%
HSV	297°, 52%, 62%
XYZ	21.7387, 14.2388, 33.5009
YIQ	107.6700, 20.1660, 42.0380

Conversions

Conversions Part 2

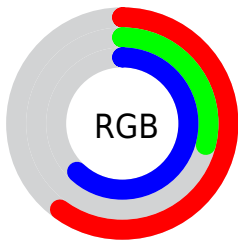
Format	Color
R_{YB}	153, 75, 157
Decimal	10046365
CIE _{Lab}	44.57, 44.68, -30.58
CIE _{LCh}	45, 54.146, 325.611
Yxy	14.2388, 0.3129, 0.2049
Android (android.graphics.Color)	4288236445 (0xFF994B9D)
YUV	107.6700, 24.3197, 39.7544
Hunter-Lab	37.7343, 36.7985, -26.2242

Details

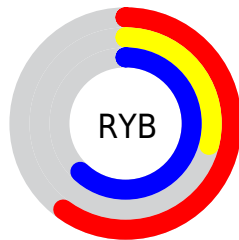
The XYZ color **21.7387, 14.2388, 33.5009** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.5520, 26.2846, 10.8584**, and the grayscale version is **14.0924, 14.8263, 16.1458**.

A 20% lighter version of the original color is **45.7675, 33.4875, 66.3389**, and **7.9823, 4.2464, 13.7635** is the 20% darker color. If you saturate the color by 10%, you get **20.6584, 12.2917, 33.1822**, and if you desaturate by 10%, it is **23.0837, 16.7132, 33.9078**.

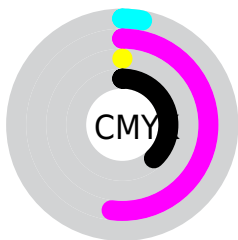
Distribution



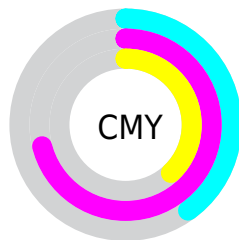
- Red (60%)
- Green (29%)
- Blue (62%)



- Red (60%)
- Yellow (29%)
- Blue (62%)



- Cyan (3%)
- Magenta (52%)
- Yellow (0%)
- Black (38%)





- Cyan (40%)
- Magenta (71%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7387, 14.2388, 33.5009 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 21.7387, 14.2388, 33.5009 by changing the saturation by 10% instead.

 21.7387, 14.2388,
33.5009


 21.7387, 14.2388,
33.5009


253.8367,
218.7114, 332.6018


 13.7806, 8.2869,
22.2362

 45.7958, 33.5121,
66.2818


 8.0489, 4.2791,
13.8306


 62.6255, 47.6024,
88.6350


 4.1783, 1.8309,
7.8655


 83.1431, 65.1743,
115.5215

 1.8035, 0.5063,
3.9225

 107.7139, 86.6122,
147.3598

 0.5198, 0.0000,
1.5829

 136.7033,
112.3004, 184.5684

 0.0000, 0.0000,
0.2786

170.4767,

 0.0000, 0.0000,

142.6234, 227.5660

0.0000

209.3994,
177.9656, 276.7709

■ 21.7387, 14.2388,
33.5009

■ 21.7387, 14.2388,
33.5009

■ 20.6584, 12.2917,
33.1822

■ 23.0837, 16.7132,
33.9078

■ 19.8216, 10.8306,
32.9443

■ 24.7096, 19.7483,
34.4080

■ 19.2063, 9.8112,
32.7800

■ 26.6331, 23.3771,
35.0070

■ 18.7859, 9.1803,
32.6803

■ 28.8690, 27.6295,
35.7100

■ 18.5428, 8.8561,
32.6306

■ 31.4313, 32.5333,
36.5214

■ 34.3330, 38.1146,
37.4458

■ 37.5866, 44.3981,
38.4872

■ 41.2038, 51.4075,
39.6495

■ 45.1957, 59.1649,
40.9364

Harmonies

Analogous

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



17.5091, 14.2388, 48.9985



21.7387, 14.2388, 33.5009



23.7842, 14.2388, 17.4233

Triad

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



21.7387, 14.2388, 33.5009



14.1882, 14.2388, 1.7476



7.2723, 14.2388, 28.4374

Complementary

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



21.7387, 14.2388, 33.5009



16.5520, 26.2846, 10.8584

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.



6.7547, 14.2388, 13.7305



21.7387, 14.2388, 33.5009



10.2105, 14.2388, 2.3407

Square

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



21.7387, 14.2388, 33.5009



18.8679, 14.2388, 2.9039



7.7066, 14.2388, 5.4829



9.3132, 14.2388, 45.1307

Rectangle

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



21.7387, 14.2388, 33.5009



23.3703, 14.2388, 9.8778



7.7066, 14.2388, 5.4829



6.9361, 14.2388, 22.9402

Sweetspot

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



21.7392, 14.2394, 33.5012



49.9977, 46.2352, 63.4159



11.7913, 9.5373, 33.1179



10.8355, 9.8577, 13.9020



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.7392, 14.2394, 33.5012



36.6656, 21.4264, 59.3300



19.8174, 13.5594, 19.3745



6.8722, 6.7381, 8.3451



15.0692, 7.1975, 26.5023



0.2782, 0.1332, 0.4743

Inverse Universe

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



17.8325, 12.7654, 8.9220



28.9641, 18.5403, 9.9847



17.8782, 26.7778, 19.5271



6.6455, 6.6511, 6.9844



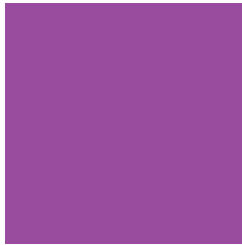
11.3313, 5.8371, 0.7295



0.2060, 0.1057, 0.0310

Previews

White Background



This preview shows how the XYZ color 21.7387, 14.2388, 33.5009 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 21.7387, 14.2388, 33.5009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

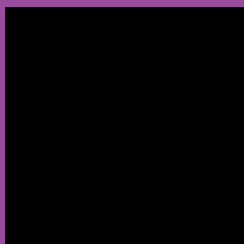
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7387, 14.2388, 33.5009

Background



This preview shows how black text looks on a background with the XYZ color 21.7387, 14.2388, 33.5009.



This preview shows how white text looks on a background with the XYZ color 21.7387, 14.2388,

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

21.7387, 14.2388, 33.5009

Protanopia

15.9662, 14.4556, 46.2047

Deuteranopia

14.7436, 14.4449, 31.7168



Tritanopia

17.4909, 14.1951, 13.1273

Trichromacy



Original Color

21.7387, 14.2388, 33.5009

Protanomaly

16.8240, 13.6125, 41.2759

Deuteranomaly

16.5175, 13.7832, 32.3617

Tritanomaly

18.7910, 14.1248, 19.1887

Monochromacy



Original Color

21.7387, 14.2388, 33.5009

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.2609, 14.1572, 21.6142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7387, 14.2388, 33.5009 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(153, 75, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 75, 157)  
}
```

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(153, 75, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 75, 157) }
```

Border

The CSS property to change the border of an element to XYZ 21.7387, 14.2388, 33.5009 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(153, 75, 157) }
```


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

```
.border{ border-color:rgb(153, 75, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 75, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 75, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 75, 157); box-shadow:4px 4px 4px 4px rgb(153, 75, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7387, 14.2388, 33.5009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 75, 157) }
```

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

```
.background{ background-color: rgb(153, 75,  
157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor