

Converting Colors

XYZ(21.2423, 9.7613, 54.7365)

Have a look what the booklet for
XYZ(21.2423, 9.7613, 54.7365)
contains.

XYZ(21.2933, 9.7862, 54.7995)	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(21.2933, 9.7862,
54.7995)**

Conversions

Conversions Part 1

Format	Color
Hex	8D00C7
RGB	141, 0, 199
RGB Percent	55%, 0%, 78%
CMY	0.4470, 1.0000, 0.2196
CMYK	0.29, 1.00, 0.00, 0.22
HSL	283°, 100%, 39%
HSV	283°, 100%, 78%
XYZ	21.2933, 9.7862, 54.7995
YIQ	64.8450, 20.1570, 91.7810

Conversions

Conversions Part 2

Format	Color
R_{YB}	141, 0, 199
Decimal	9240775
CIE _{Lab}	37.46, 73.26, -66.92
CIE _{LCh}	37, 99.224, 317.588
Yxy	9.7862, 0.2479, 0.1140
Android (android.graphics.Color)	4287430855 (0xFF8D00C7)
YUV	64.8450, 66.1384, 66.7879
Hunter-Lab	31.2829, 66.7543, -81.9626

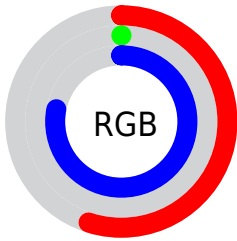
Details

The XYZ color **21.2933, 9.7862, 54.7995** is a dark color, and the websafe version is hex **9900CC**.

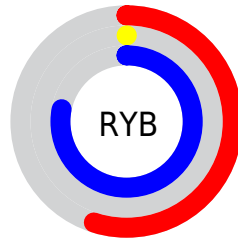
The color can be described as dark washed purple. A complement of this color would be **22.1684, 41.7465, 6.8895**, and the grayscale version is **4.9020, 5.1573, 5.6163**.

A 20% lighter version of the original color is **44.7381, 25.2367, 97.1210**, and **8.5137, 3.8075, 26.6717** is the 20% darker color. If you saturate the color by 10%, you get **21.2937, 9.7865, 54.7997**, and if you desaturate by 10%, it is **22.5545, 10.8052, 54.9299**.

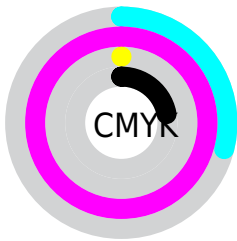
Distribution



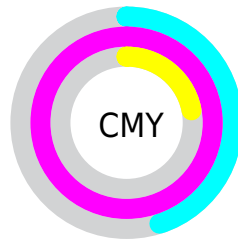
- Red (55%)
- Green (0%)
- Blue (78%)



- Red (55%)
- Yellow (0%)
- Blue (78%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)





- Cyan (45%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2933, 9.7862, 54.7995 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 21.2933, 9.7862, 54.7995 by changing the saturation by 10% instead.


 21.2933, 9.7862,
54.7995


 21.2933, 9.7862,
54.7995


251.5355,
189.1393, 422.4120


 13.4522, 5.2574,
38.8437


 45.0628, 25.3926,
98.7153


 7.8198, 2.3991,
26.3313


 61.7219, 37.2390,
127.5124


 4.0307, 0.8254,
16.8436


 82.0511, 52.2934,
161.4271

 1.7195, 0.0000,
9.9623

 106.4157, 70.9402,
200.8778

 0.4684, 0.0000,
5.2687

 135.1811, 93.5638,
246.2831

 0.0000, 0.0000,
2.3443

 168.7126,

 0.0000, 0.0000,

120.5486, 298.0615

0.7559

207.3756,
152.2789, 356.6316

■ 0.0000, 0.0000,
0.0000

■ 21.2933, 9.7862,
54.7995

■ 21.2933, 9.7862,
54.7995

■ 21.2937, 9.7865,
54.7997

■ 22.5545, 10.8052,
54.9299

■ 24.1229, 12.3615,
55.1476

■ 26.0889, 14.6341,
55.4827

■ 28.5000, 17.7168,
55.9506

■ 31.3964, 21.6889,
56.5647

■ 34.8133, 26.6201,
57.3364

■ 38.7827, 32.5730,
58.2762

■ 43.3336, 39.6049,
59.3936

■ 48.4930, 47.7686,
60.6975

Harmonies

Analogous

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



13.4256, 9.7862, 88.6456



21.2933, 9.7862, 54.7995



26.6648, 9.7862, 19.8961

Triad

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



21.2933, 9.7862, 54.7995



12.1307, 9.7862, 0.0000



1.9055, 9.7862, 24.8046

Complementary

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



21.2933, 9.7862, 54.7995



22.1684, 41.7465, 6.8895

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.



1.8095, 9.7862, 4.8382



21.2933, 9.7862, 54.7995



6.1224, 9.7862, 0.0000

Square

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



21.2933, 9.7862, 54.7995



19.9880, 9.7862, 0.0000



2.9513, 9.7862, 0.0000



3.3229, 9.7862, 61.6120

Rectangle

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



21.2933, 9.7862, 54.7995



27.0208, 9.7862, 6.7264



2.9513, 9.7862, 0.0000



1.7512, 9.7862, 15.8767

Sweetspot

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



21.2938, 9.7865, 54.7997



67.5779, 56.5340, 101.9582



11.9091, 7.3241, 54.8191



13.8060, 11.1054, 21.6659



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.2938, 9.7865, 54.7997



37.0313, 17.0052, 95.9383



29.8287, 14.6524, 34.1483



10.7704, 10.6554, 13.4065



13.7829, 6.3396, 35.2416



0.7221, 0.3360, 1.6719

Inverse Universe

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



24.3170, 12.4477, 5.1239



42.4868, 21.7587, 8.4956



20.8032, 40.9989, 8.8070



10.7589, 10.6869, 11.7137



15.6698, 8.0175, 3.4710



0.7741, 0.3925, 0.3338

Previews

White Background



This preview shows how the XYZ color 21.2933, 9.7862, 54.7995 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.2933, 9.7862, 54.7995

Background



This preview shows how black text looks on a background with the XYZ color 21.2933, 9.7862, 54.7995.



This preview shows how white text looks on a background with the XYZ color 21.2933, 9.7862, 54.7995.

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

21.2933, 9.7862, 54.7995

Protanopia

12.0599, 10.2771, 46.6954

Deuteranopia

10.1724, 10.3319, 34.2590



Tritanopia

12.3507, 10.2264, 9.7105

Trichromacy



Original Color

21.2933, 9.7862, 54.7995

Protanomaly

11.9167, 7.1103, 48.8885

Deuteranomaly

10.5692, 6.8877, 40.8168

Tritanomaly

13.9598, 8.4547, 20.6348

Monochromacy



Original Color

21.2933, 9.7862, 54.7995

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.3444, 5.1279, 16.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2933, 9.7862, 54.7995 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(141, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(141, 0, 199)  
}
```

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(141, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 0, 199) }
```

Border

The CSS property to change the border of an element to XYZ 21.2933, 9.7862, 54.7995 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(141, 0, 199) }
```


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

```
.border{ border-color:rgb(141, 0, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 0, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(141, 0,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2933, 9.7862, 54.7995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 0, 199) }
```

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

```
.background{ background-color: rgb(141, 0,  
199) }
```

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