

Converting Colors

XYZ(21.3076, 9.2598, 78.9586)

Have a look what the booklet for
XYZ(21.3076, 9.2598, 78.9586)
contains.

XYZ(21.4258, 9.3132, 79.2656)	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(21.4258, 9.3132,
79.2656)**

Conversions

Conversions Part 1

Format	Color
Hex	6E00EB
RGB	110, 0, 235
RGB Percent	43%, 0%, 92%
CMY	0.5686, 1.0000, 0.0784
CMYK	0.53, 1.00, 0.00, 0.08
HSL	268°, 100%, 46%
HSV	268°, 100%, 92%
XYZ	21.4258, 9.3132, 79.2656
YIQ	59.6800, -9.8750, 96.4050

Conversions

Conversions Part 2

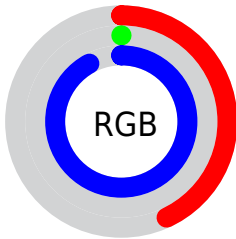
Format	Color
RYB	110, 0, 235
Decimal	7209195
CIELab	36.58, 77.66, -89.26
CIElCh	37, 118.316, 311.025
Yxy	9.3132, 0.1948, 0.0847
Android (android.graphics.Color)	4285399275 (0xFF6E00EB)
YUV	59.6800, 86.4328, 44.1306
Hunter-Lab	30.5175, 71.9159, -132.6363

Details

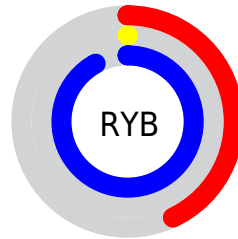
The XYZ color **21.4258, 9.3132, 79.2656** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **38.1651, 63.7764, 10.2986**, and the grayscale version is **4.1368, 4.3522, 4.7396**.

A 20% lighter version of the original color is **38.2299, 21.6674, 96.7750**, and **8.4712, 3.4503, 41.8145** is the 20% darker color. If you saturate the color by 10%, you get **21.4266, 9.3135, 79.2659**, and if you desaturate by 10%, it is **23.4096, 10.8056, 79.4494**.

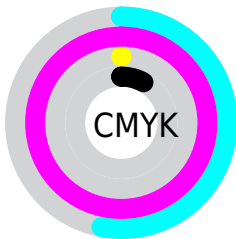
Distribution



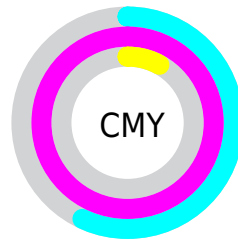
- Red (43%)
- Green (0%)
- Blue (92%)



- Red (43%)
- Yellow (0%)
- Blue (92%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)




- Cyan (57%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4258, 9.3132, 79.2656 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 21.4258, 9.3132, 79.2656 by changing the saturation by 10% instead.


 21.4258, 9.3132,
79.2656


 21.4258, 9.3132,
79.2656


252.2219,
185.6975, 512.0957


 13.5498, 4.9460,
58.5916


 45.2811, 24.4954,
134.1348


 7.8878, 2.2156,
41.8666


 61.9911, 36.0793,
169.1670

 4.0745, 0.7285,
28.6721


 82.3765, 50.8375,
209.8224

 1.7443, 0.0000,
18.5894

 106.8027, 69.1544,
256.5195

 0.4838, 0.0000,
11.2002

 135.6349, 91.4145,
309.6769

 0.0000, 0.0000,
6.0858

 169.2387,

 0.0000, 0.0000,

118.0021, 369.7130

2.8277

207.9792,
149.3016, 437.0464

0.0000, 0.0000,
1.0073

0.0000, 0.0000,
0.0000

21.4258, 9.3132,
79.2656

21.4258, 9.3132,
79.2656

21.4266, 9.3135,
79.2659

23.4096, 10.8056,
79.4494

26.0044, 13.1825,
79.7714

29.3402, 16.6911,
80.2728

33.4961, 21.4776,
80.9777

■ 38.5391, 27.6653,
81.9062

■ 44.5285, 35.3626,
83.0763

■ 51.5182, 44.6667,
84.5038

■ 59.5575, 55.6666,
86.2032

■ 68.6921, 68.4445,
88.1882

Harmonies

Analogous

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



11.7765, 9.3132, 120.3508



21.4258, 9.3132, 79.2656



29.4989, 9.3132, 29.3041

Triad

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



21.4258, 9.3132, 79.2656



14.1682, 9.3132, 0.0000



1.0261, 9.3132, 19.7856

Complementary

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



21.4258, 9.3132, 79.2656



38.1651, 63.7764, 10.2986

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.



1.1490, 9.3132, 1.9341



21.4258, 9.3132, 79.2656



6.4567, 9.3132, 0.0000

Square

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



21.4258, 9.3132, 79.2656



23.9707, 9.3132, 0.0000



2.5142, 9.3132, 0.0000



1.9715, 9.3132, 64.9011

Rectangle

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



21.4258, 9.3132, 79.2656



31.2067, 9.3132, 9.4469



2.5142, 9.3132, 0.0000



0.9670, 9.3132, 10.8672

Sweetspot

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



21.4266, 9.3135, 79.2659



61.8923, 53.6030, 101.6921



22.3714, 20.7500, 81.4236



12.4541, 10.4085, 21.6026



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.



21.4266, 9.3135, 79.2659



25.7083, 11.1680, 95.4084



46.7267, 22.3562, 80.4499



14.9016, 14.8945, 19.0118



12.0694, 5.2579, 44.1217



1.0579, 0.4697, 3.4698

Inverse Universe

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



37.9624, 19.1428, 21.0943



45.6578, 23.0271, 25.1940



29.8065, 59.4674, 9.9074



15.4003, 15.1880, 17.3934



21.1929, 10.6798, 12.0831



1.7127, 0.8580, 1.2045

Previews

White Background



This preview shows how the XYZ color 21.4258, 9.3132, 79.2656 looks on a white background.

Color Contrast Check

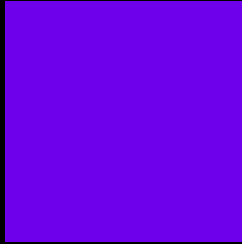
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 21.4258, 9.3132, 79.2656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

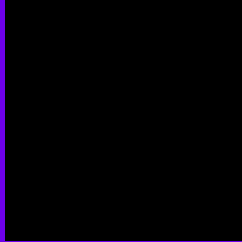
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4258, 9.3132, 79.2656

Background



This preview shows how black text looks on a background with the XYZ color 21.4258, 9.3132, 79.2656.



This preview shows how white text looks on a background with the XYZ color 21.4258, 9.3132,

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

21.4258, 9.3132, 79.2656

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.3237, 9.5793, 31.0633



Tritanopia

8.3080, 9.5763, 13.2149

Trichromacy



Original Color

21.4258, 9.3132, 79.2656

Protanomaly

12.5030, 7.2130, 54.7661

Deuteranomaly

10.7817, 6.7548, 44.9915

Tritanomaly

10.4256, 7.0032, 28.8192

Monochromacy



Original Color

21.4258, 9.3132, 79.2656

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.4731, 4.4612, 19.5360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4258, 9.3132, 79.2656 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(110, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(110, 0, 235)  
}
```

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(110, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 21.4258, 9.3132, 79.2656 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(110, 0, 235) }
```


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

```
.border{ border-color:rgb(110, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(110, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(110, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4258, 9.3132, 79.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 0, 235) }
```

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

```
.background{ background-color: rgb(110, 0,  
235) }
```

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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