

Converting Colors

XYZ(21.2538, 9.7596, 62.8197)

Have a look what the booklet for
XYZ(21.2538, 9.7596, 62.8197)
contains.

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Color

**XYZ(21.3634, 9.8181,
63.0565)**

Conversions

Conversions Part 1

Format	Color
Hex	830BD4
RGB	131, 11, 212
RGB Percent	51%, 4%, 83%
CMY	0.4863, 0.9569, 0.1686
CMYK	0.38, 0.95, 0.00, 0.17
HSL	276°, 90%, 44%
HSV	276°, 95%, 83%
XYZ	21.3634, 9.8181, 63.0565
YIQ	69.7940, 6.9990, 87.9510

Conversions

Conversions Part 2

Format	Color
R_{YB}	131, 11, 212
Decimal	8588244
CIE _{Lab}	37.51, 73.34, -74.44
CIE _{LCh}	38, 104.501, 314.574
Yxy	9.8181, 0.2267, 0.1042
Android (android.graphics.Color)	4286778324 (0xFF830BD4)
YUV	69.7940, 70.1076, 53.6777
Hunter-Lab	31.3338, 66.8670, -97.3820

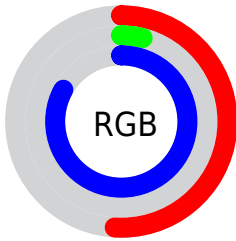
Details

The XYZ color **21.3634, 9.8181, 63.0565** is a dark color, and the websafe version is hex **6600CC**.

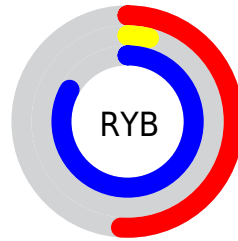
The color can be described as dark washed purple. A complement of this color would be **28.0173, 49.3865, 8.3725**, and the grayscale version is **5.6747, 5.9702, 6.5016**.

A 20% lighter version of the original color is **42.6291, 24.4829, 97.0866**, and **8.5265, 3.7024, 31.7177** is the 20% darker color. If you saturate the color by 10%, you get **20.5723, 9.2326, 62.9854**, and if you desaturate by 10%, it is **23.1446, 11.3334, 63.2553**.

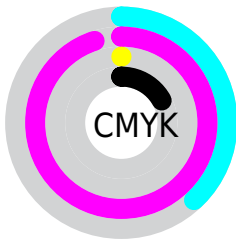
Distribution



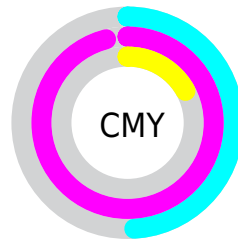
- Red (51%)
- Green (4%)
- Blue (83%)



- Red (51%)
- Yellow (4%)
- Blue (83%)



- Cyan (38%)
- Magenta (95%)
- Yellow (0%)
- Black (17%)




- Cyan (49%)
- Magenta (96%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3634, 9.8181, 63.0565 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 21.3634, 9.8181, 63.0565 by changing the saturation by 10% instead.


 21.3634, 9.8181,
63.0565


 21.3634, 9.8181,
63.0565


251.8988,
189.3688, 453.8881


 13.5039, 5.2785,
45.4456


 45.1783, 25.4528,
110.8374


 7.8558, 2.4116,
31.4631


 61.8644, 37.3167,
141.8445

 4.0538, 0.8318,
20.6903


 82.2233, 52.3909,
178.1540

 1.7326, 0.0000,
12.7088

 106.6205, 71.0596,
220.1846

 0.4766, 0.0000,
7.1000

 135.4213, 93.7074,
268.3548

 0.0000, 0.0000,
3.4453

 168.9910,

 0.0000, 0.0000,

120.7186, 323.0831

1.3263

207.6951,
152.4776, 384.7880

■ 0.0000, 0.0000,
0.0832

■ 0.0000, 0.0000,
0.0000

■ 21.3634, 9.8181,
63.0565

■ 21.3634, 9.8181,
63.0565

■ 20.5723, 9.2326,
62.9854

■ 23.1446, 11.3334,
63.2553

■ 25.4040, 13.6405,
63.5816

■ 28.2057, 16.8627,
64.0558

■ 31.6019, 21.1009,
64.6949

■ 35.6378, 26.4423,
65.5132

■ 40.3540, 32.9647,
66.5236

■ 45.7873, 40.7385,
67.7377

■ 51.9717, 49.8284,
69.1663

■ 58.9388, 60.2946,
70.8192

Harmonies

Analogous

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



12.9008, 9.8181, 98.4618



21.3634, 9.8181, 63.0565



27.6748, 9.8181, 23.5557

Triad

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



21.3634, 9.8181, 63.0565



13.1285, 9.8181, 0.0000



1.6523, 9.8181, 22.6823

Complementary

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



21.3634, 9.8181, 63.0565



28.0173, 49.3865, 8.3725

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.



1.6678, 9.8181, 3.6467



21.3634, 9.8181, 63.0565



6.4904, 9.8181, 0.0000

Square

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



21.3634, 9.8181, 63.0565



21.5961, 9.8181, 0.0000



2.9607, 9.8181, 0.0000



2.8991, 9.8181, 61.8165

Rectangle

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



21.3634, 9.8181, 63.0565



28.5436, 9.8181, 8.0476



2.9607, 9.8181, 0.0000



1.5390, 9.8181, 13.8561

Sweetspot

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



21.3640, 9.8184, 63.0568



66.5431, 57.5407, 102.2070



16.0914, 12.9641, 63.9418



13.4797, 11.2263, 21.7064



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.



21.3640, 9.8184, 63.0568



31.0444, 13.9189, 95.6581



37.1498, 18.1879, 53.3309



12.4464, 12.3716, 15.6695



12.8162, 5.7595, 38.8894



0.8655, 0.3951, 2.3499

Inverse Universe

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



29.2028, 15.0091, 11.4823



43.6760, 22.2344, 14.7578



23.8882, 47.2410, 8.9423



12.6285, 12.5029, 13.9842



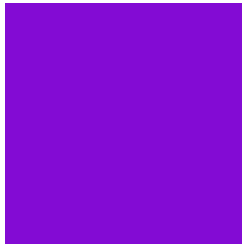
17.8314, 9.0689, 6.4160



1.1159, 0.5631, 0.5996

Previews

White Background



This preview shows how the XYZ color 21.3634, 9.8181, 63.0565 looks on a white background.

Color Contrast Check

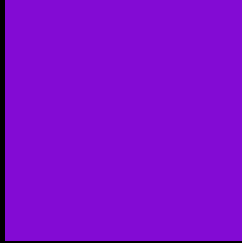
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3634, 9.8181, 63.0565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

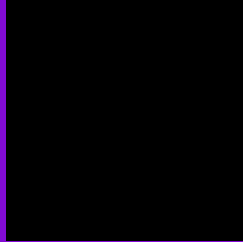
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3634, 9.8181, 63.0565

Background



This preview shows how black text looks on a background with the XYZ color 21.3634, 9.8181, 63.0565.



This preview shows how white text looks on a background with the XYZ color 21.3634, 9.8181,

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

21.3634, 9.8181, 63.0565

Protanopia

11.8517, 10.1938, 45.5989

Deuteranopia

9.9129, 10.0886, 33.3231



Tritanopia

10.8826, 9.9889, 11.0273

Trichromacy



Original Color

21.3634, 9.8181, 63.0565



Protanomaly

12.4085, 7.6066, 51.2663



Deuteranomaly

10.9322, 7.3577, 42.4390



Tritanomaly

12.8364, 8.2923, 23.4783

Monochromacy



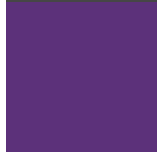
Original Color

21.3634, 9.8181, 63.0565



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.0248, 5.8771, 19.0711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3634, 9.8181, 63.0565 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(131, 11, 212)` looks like.

```
.text, #text, p{  
    color:rgb(131, 11, 212)  
}
```

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(131, 11, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 11, 212) }
```

Border

The CSS property to change the border of an element to XYZ 21.3634, 9.8181, 63.0565 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(131, 11, 212) }
```


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

```
.border{ border-color:rgb(131, 11, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 11, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 11, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 11, 212);  
box-shadow:4px 4px 4px 4px rgb(131, 11,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3634, 9.8181, 63.0565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 11, 212) }
```

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

```
.background{ background-color: rgb(131, 11,  
212) }
```

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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