

Converting Colors

XYZ(21.2157, 9.6137, 79.0323)

Have a look what the booklet for
XYZ(21.2157, 9.6137, 79.0323)
contains.

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Color

**XYZ(21.3270, 9.6603,
79.3378)**

Conversions

Conversions Part 1

Format	Color
Hex	6B15EB
RGB	107, 21, 235
RGB Percent	42%, 8%, 92%
CMY	0.5804, 0.9177, 0.0784
CMYK	0.54, 0.91, 0.00, 0.08
HSL	264°, 84%, 50%
HSV	264°, 91%, 92%
XYZ	21.3270, 9.6603, 79.3378
YIQ	71.1100, -17.4380, 84.7860

Conversions

Conversions Part 2

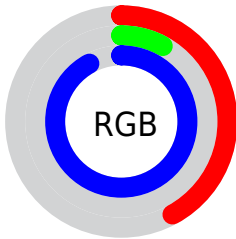
Format	Color
R_{YB}	107, 21, 235
Decimal	7017963
CIE _{Lab}	37.23, 74.41, -88.20
CIE _{LCh}	37, 115.398, 310.152
Yxy	9.6603, 0.1933, 0.0876
Android (android.graphics.Color)	4285208043 (0xFF6B15EB)
YUV	71.1100, 80.7978, 31.4755
Hunter-Lab	31.0810, 68.0903, -129.5877

Details

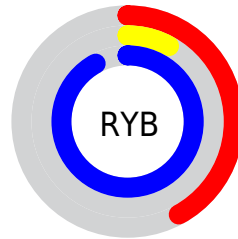
The XYZ color **21.3270, 9.6603, 79.3378** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **42.2359, 65.8594, 11.1952**, and the grayscale version is **5.8778, 6.1840, 6.7343**.

A 20% lighter version of the original color is **38.0931, 22.3749, 96.9188**, and **8.4126, 3.4085, 42.3340** is the 20% darker color. If you saturate the color by 10%, you get **19.6579, 8.4018, 79.1831**, and if you desaturate by 10%, it is **23.8084, 11.9059, 79.6408**.

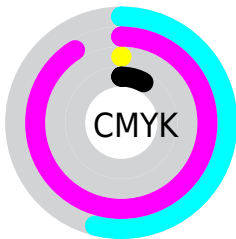
Distribution



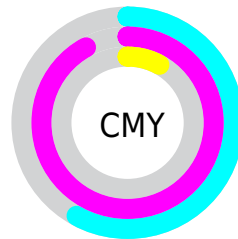
- Red (42%)
- Green (8%)
- Blue (92%)



- Red (42%)
- Yellow (8%)
- Blue (92%)



- Cyan (54%)
- Magenta (91%)
- Yellow (0%)
- Black (8%)



- Cyan (58%)
- Magenta (92%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3270, 9.6603, 79.3378 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 21.3270, 9.6603, 79.3378 by changing the saturation by 10% instead.

21.3270, 9.6603,
79.3378

21.3270, 9.6603,
79.3378

251.7102,
188.2301, 512.3462

13.4771, 5.1743,
58.6506

45.1183, 25.1546,
134.2373

7.8371, 2.3499,
41.9138

61.7904, 36.9316,
169.2867

4.0418, 0.7999,
28.7087

82.1339, 51.9079,
209.9606

1.7258, 0.0000,
18.6169

106.5142, 70.4676,
256.6775

0.4724, 0.0000,
11.2198

135.2966, 92.9954,
309.8559

0.0000, 0.0000,
6.0988

168.8465,

0.0000, 0.0000,

119.8754, 369.9145

2.8355

207.5292,
151.4922, 437.2717

■ 0.0000, 0.0000,
1.0113

■ 0.0000, 0.0000,
0.0000

■ 21.3270, 9.6603,
79.3378

■ 21.3270, 9.6603,
79.3378

■ 19.6579, 8.4018,
79.1831

■ 23.8084, 11.9059,
79.6408

■ 27.0726, 15.2922,
80.1223

■ 31.2046, 19.9708,
80.8076

■ 36.2761, 26.0687,
81.7173

■ 42.3506, 33.6974,
82.8697

■ 49.4853, 42.9567,
84.2808

■ 57.7329, 53.9380,
85.9658

■ 67.1423, 66.7255,
87.9381

■ 77.7595, 81.3981,
90.2106

Harmonies

Analogous

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



11.8469, 9.6603, 117.8737



21.3270, 9.6603, 79.3378



29.3523, 9.6603, 30.5616

Triad

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



21.3270, 9.6603, 79.3378



14.7351, 9.6603, 0.0000



1.1817, 9.6603, 19.1774

Complementary

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



21.3270, 9.6603, 79.3378



42.2359, 65.8594, 11.1952

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.



1.3430, 9.6603, 1.9794



21.3270, 9.6603, 79.3378



6.9498, 9.6603, 0.0000

Square

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



21.3270, 9.6603, 79.3378



24.3651, 9.6603, 0.0000



2.8321, 9.6603, 0.0000



2.1414, 9.6603, 62.4600

Rectangle

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



21.3270, 9.6603, 79.3378



31.1747, 9.6603, 10.4134



2.8321, 9.6603, 0.0000



1.1272, 9.6603, 10.6241

Sweetspot

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



21.3277, 9.6605, 79.3381



63.3201, 56.6704, 102.2089



26.1150, 27.7785, 82.5829



12.8522, 11.2027, 21.7349



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.



21.3277, 9.6605, 79.3381



23.5851, 10.0734, 95.3090



42.8784, 20.7703, 80.3466



14.8043, 14.8444, 19.0072



11.0757, 4.7456, 44.0752



0.9758, 0.4273, 3.4659

Inverse Universe

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



39.9529, 20.3679, 30.2542



46.9495, 23.5438, 31.9957



30.8148, 59.9716, 10.6607



15.4437, 15.2053, 17.6217



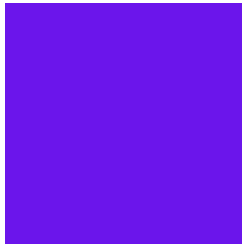
21.7896, 10.9185, 15.2255



1.7584, 0.8763, 1.4449

Previews

White Background



This preview shows how the XYZ color 21.3270, 9.6603, 79.3378 looks on a white background.

Color Contrast Check

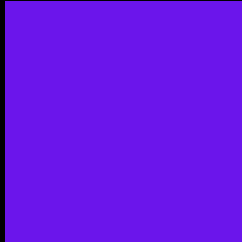
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3270, 9.6603, 79.3378 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 21.3270, 9.6603, 79.3378

Background



This preview shows how black text looks on a background with the XYZ color 21.3270, 9.6603, 79.3378.



This preview shows how white text looks on a background with the XYZ color 21.3270, 9.6603,

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

21.3270, 9.6603, 79.3378

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.4086, 9.7492, 31.0917



Tritanopia

8.2012, 9.7729, 13.5107

Trichromacy



Original Color

21.3270, 9.6603, 79.3378

Protanomaly

12.8681, 8.0001, 54.8988

Deuteranomaly

11.2284, 7.7052, 45.1514

Tritanomaly

10.5739, 7.8039, 29.3828

Monochromacy



Original Color

21.3270, 9.6603, 79.3378

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

9.0260, 6.0697, 22.1686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3270, 9.6603, 79.3378 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(107, 21, 235)` looks like.

```
.text, #text, p{  
    color:rgb(107, 21, 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(107, 21, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 21, 235) }
```

Border

The CSS property to change the border of an element to XYZ 21.3270, 9.6603, 79.3378 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(107, 21, 235) }
```


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

```
.border{ border-color:rgb(107, 21, 235) }
```

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

Here you see how a box with a 4 pixel rgb(107, 21, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 21, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 21, 235);  
box-shadow:4px 4px 4px 4px rgb(107, 21,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3270, 9.6603, 79.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 21, 235) }
```

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

```
.background{ background-color: rgb(107, 21,  
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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