

Converting Colors

XYZ(21.6704, 10.1642, 78.2149)

Have a look what the booklet for
XYZ(21.6704, 10.1642, 78.2149)
contains.

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Color

**XYZ(21.6027, 10.1267,
77.9069)**

Conversions

Conversions Part 1

Format	Color
Hex	6E1EE9
RGB	110, 30, 233
RGB Percent	43%, 12%, 91%
CMY	0.5686, 0.8824, 0.0863
CMYK	0.53, 0.87, 0.00, 0.09
HSL	264°, 82%, 52%
HSV	264°, 87%, 91%
XYZ	21.6027, 10.1267, 77.9069
YIQ	77.0620, -17.4830, 80.0930

Conversions

Conversions Part 2

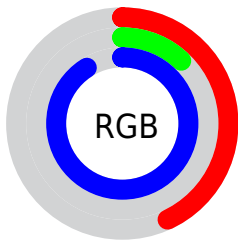
Format	Color
R _Y B	110, 30, 233
Decimal	7216873
CIE Lab	38.07, 72.08, -85.66
CIE LCh	38, 111.952, 310.079
Yxy	10.1267, 0.1970, 0.0924
Android (android.graphics.Color)	4285406953 (0xFF6E1EE9)
YUV	77.0620, 76.8774, 28.8866
Hunter-Lab	31.8225, 65.4855, -122.8764

Details

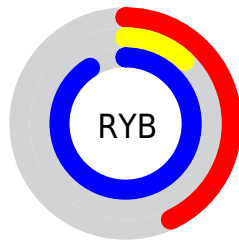
The XYZ color **21.6027, 10.1267, 77.9069** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **42.5081, 65.1430, 11.5614**, and the grayscale version is **6.9298, 7.2907, 7.9396**.

A 20% lighter version of the original color is **38.9397, 23.4166, 97.0752**, and **8.4637, 3.4579, 41.2957** is the 20% darker color. If you saturate the color by 10%, you get **19.5930, 8.5094, 77.7009**, and if you desaturate by 10%, it is **24.3246, 12.7507, 78.2702**.

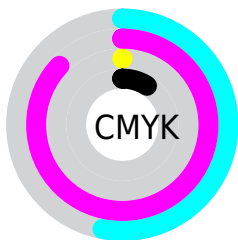
Distribution



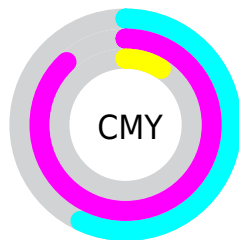
- Red (43%)
- Green (12%)
- Blue (91%)



- Red (43%)
- Yellow (12%)
- Blue (91%)



- Cyan (53%)
- Magenta (87%)
- Yellow (0%)
- Black (9%)





- Cyan (57%)
- Magenta (88%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6027, 10.1267, 77.9069 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 21.6027, 10.1267, 77.9069 by changing the saturation by 10% instead.

 21.6027, 10.1267,
77.9069


 21.6027, 10.1267,
77.9069


253.1359,
191.5740, 507.3701


 13.6802, 5.4830,
57.4815

 45.5722, 26.0335,
132.2035


 7.9788, 2.5334,
40.9800


 62.3500, 38.0655,
166.9119


 4.1331, 0.8933,
27.9839


 82.8102, 53.3290,
207.2183

 1.7777, 0.0000,
18.0746

 107.3183, 72.2085,
253.5413

 0.5042, 0.0000,
10.8335

 136.2395, 95.0884,
306.2994

 0.0000, 0.0000,
5.8423

 169.9393,

 0.0000, 0.0000,

122.3530, 365.9113

2.6822

208.7830,
154.3867, 432.7953

■ 0.0000, 0.0000,
0.9344

■ 0.0000, 0.0000,
0.0000

■ 21.6027, 10.1267,
77.9069

■ 21.6027, 10.1267,
77.9069

■ 19.5930, 8.5094,
77.7009

■ 24.3246, 12.7507,
78.2702

■ 19.1051, 8.1500,
77.6573

■ 27.8546, 16.5582,
78.8191

■ 32.2709, 21.6873,
79.5763

■ 37.6405, 28.2558,
80.5612

44.0234, 36.3682,
81.7906

51.4743, 46.1190,
83.2800

60.0436, 57.5948,
85.0434

69.7782, 70.8762,
87.0939

80.7225, 86.0384,
89.4437

Harmonies

Analogous

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



12.2625, 10.1267, 114.6098



21.6027, 10.1267, 77.9069



29.4422, 10.1267, 30.8547

Triad

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



21.6027, 10.1267, 77.9069



15.1669, 10.1267, 0.0000



1.4091, 10.1267, 19.5422

Complementary

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



21.6027, 10.1267, 77.9069



42.5081, 65.1430, 11.5614

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.



1.5872, 10.1267, 2.2741



21.6027, 10.1267, 77.9069



7.3959, 10.1267, 0.0000

Square

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



21.6027, 10.1267, 77.9069



24.6173, 10.1267, 0.0000



3.1718, 10.1267, 0.0000



2.4349, 10.1267, 61.4764

Rectangle

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



21.6027, 10.1267, 77.9069



31.2259, 10.1267, 10.9713



3.1718, 10.1267, 0.0000



1.3505, 10.1267, 11.0814

Sweetspot

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



21.6034, 10.1269, 77.9072



64.1579, 57.9078, 102.4036



26.9949, 29.6624, 81.3938



13.0083, 11.4371, 21.7719



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.



21.6034, 10.1269, 77.9072



23.3615, 9.9582, 95.2986



41.5563, 20.4130, 78.8410



14.7929, 14.8385, 19.0067



10.9705, 4.6914, 44.0703



0.9668, 0.4227, 3.4655

Inverse Universe

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



39.8174, 20.5515, 32.0005



47.1141, 23.6096, 32.8627



30.8775, 59.1472, 11.0171



15.4488, 15.2074, 17.6486



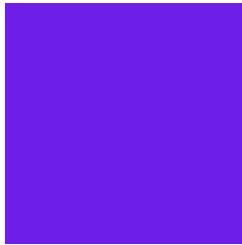
21.8655, 10.9489, 15.6250



1.7641, 0.8786, 1.4750

Previews

White Background



This preview shows how the XYZ color 21.6027, 10.1267, 77.9069 looks on a white background.

Color Contrast Check

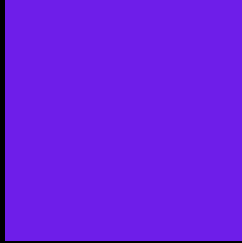
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6027, 10.1267, 77.9069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

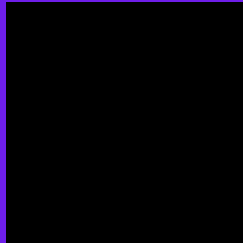
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6027, 10.1267, 77.9069

Background



This preview shows how black text looks on a background with the XYZ color 21.6027, 10.1267, 77.9069.



This preview shows how white text looks on a background with the XYZ color 21.6027, 10.1267,

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

21.6027, 10.1267, 77.9069

Protanopia

11.8517, 10.1938, 45.5989

Deuteranopia

9.8279, 10.0546, 32.8752



Tritanopia

8.8059, 10.2102, 13.8186

Trichromacy



Original Color

21.6027, 10.1267, 77.9069

Protanomaly

13.3659, 8.5646, 56.2070

Deuteranomaly

11.6549, 8.1681, 46.3097

Tritanomaly

11.3342, 8.5612, 29.4889

Monochromacy



Original Color

21.6027, 10.1267, 77.9069

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

10.0388, 7.0768, 23.3911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6027, 10.1267, 77.9069 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, 30, 233)` looks like.

```
.text, #text, p{  
    color:rgb(110, 30, 233)  
}
```

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, 30, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 30, 233) }
```

Border

The CSS property to change the border of an element to XYZ 21.6027, 10.1267, 77.9069 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, 30, 233) }
```


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

```
.border{ border-color:rgb(110, 30, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 30, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 30, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 30, 233);  
box-shadow:4px 4px 4px 4px rgb(110, 30,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6027, 10.1267, 77.9069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 30, 233) }
```

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

```
.background{ background-color: rgb(110, 30,  
233) }
```

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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