

Converting Colors

XYZ(20.9569, 9.2621, 70.6279)

Have a look what the booklet for
XYZ(20.9569, 9.2621, 70.6279)
contains.

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Color

**XYZ(20.9270, 9.2497,
70.4944)**

Conversions

Conversions Part 1

Format	Color
Hex	7700DF
RGB	119, 0, 223
RGB Percent	47%, 0%, 87%
CMY	0.5333, 1.0000, 0.1255
CMYK	0.47, 1.00, 0.00, 0.13
HSL	272°, 100%, 44%
HSV	272°, 100%, 87%
XYZ	20.9270, 9.2497, 70.4944
YIQ	61.0030, -0.6590, 94.5810

Conversions

Conversions Part 2

Format	Color
R_{YB}	119, 0, 223
Decimal	7799007
CIE _{Lab}	36.46, 75.80, -82.57
CIE _{LCh}	36, 112.085, 312.551
Yxy	9.2497, 0.2079, 0.0919
Android (android.graphics.Color)	4285989087 (0xFF7700DF)
YUV	61.0030, 79.8645, 50.8634
Hunter-Lab	30.4133, 69.6002, -116.1377

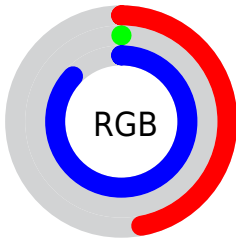
Details

The XYZ color **20.9270, 9.2497, 70.4944** is a dark color, and the websafe version is hex **6600CC**.

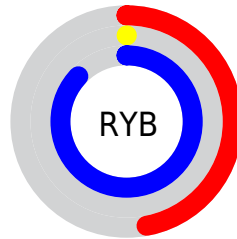
The color can be described as dark washed purple. A complement of this color would be **32.0962, 55.7183, 9.0631**, and the grayscale version is **4.3272, 4.5526, 4.9578**.

A 20% lighter version of the original color is **39.8304, 22.4925, 96.8499**, and **8.2482, 3.4570, 36.3089** is the 20% darker color. If you saturate the color by 10%, you get **20.9276, 9.2500, 70.4947**, and if you desaturate by 10%, it is **22.7267, 10.6119, 70.6627**.

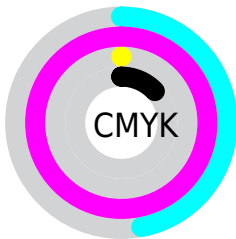
Distribution



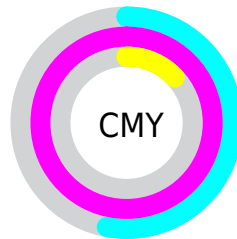
- Red (47%)
- Green (0%)
- Blue (87%)



- Red (47%)
- Yellow (0%)
- Blue (87%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



- Cyan (53%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9270, 9.2497, 70.4944 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 20.9270, 9.2497, 70.4944 by changing the saturation by 10% instead.

20.9270, 9.2497,
70.4944

20.9270, 9.2497,
70.4944

249.6293,
185.2299, 481.1200

13.1828, 4.9044,
51.4504

44.4582, 24.3744,
121.6013

7.6324, 2.1913,
36.1880

60.9759, 35.9225,
154.5012

3.9105, 0.7152,
24.2886

81.1489, 50.6404,
192.8569

1.6516, 0.0000,
15.3336

105.3424, 68.9124,
237.0868

0.4257, 0.0000,
8.9047

133.9218, 91.1230,
287.6095

0.0000, 0.0000,
4.5831

167.2526,

0.0000, 0.0000,

117.6565, 344.8436

1.9504

205.7000,
148.8973, 409.2076

0.0000, 0.0000,
0.5245

0.0000, 0.0000,
0.0000

20.9270, 9.2497,
70.4944

20.9270, 9.2497,
70.4944

20.9276, 9.2500,
70.4947

22.7267, 10.6119,
70.6627

25.0246, 12.7325,
70.9509

27.9356, 15.8335,
71.3961

31.5264, 20.0417,
72.0191

■ 35.8536, 25.4642,
72.8377

■ 40.9673, 32.1951,
73.8673

■ 46.9126, 40.3189,
75.1220

■ 53.7310, 49.9127,
76.6144

■ 61.4610, 61.0479,
78.3563

Harmonies

Analogous

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



11.9496, 9.2497, 108.6475



20.9270, 9.2497, 70.4944



28.0905, 9.2497, 25.9867

Triad

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



20.9270, 9.2497, 70.4944



13.3232, 9.2497, 0.0000



1.2090, 9.2497, 20.5954

Complementary

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



20.9270, 9.2497, 70.4944



32.0962, 55.7183, 9.0631

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.



1.2877, 9.2497, 2.4994



20.9270, 9.2497, 70.4944



6.2456, 9.2497, 0.0000

Square

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



20.9270, 9.2497, 70.4944



22.3672, 9.2497, 0.0000



2.5831, 9.2497, 0.0000



2.2494, 9.2497, 62.5357

Rectangle

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



20.9270, 9.2497, 70.4944



29.3869, 9.2497, 8.4950



2.5831, 9.2497, 0.0000



1.1310, 9.2497, 11.8315

Sweetspot

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



20.9276, 9.2500, 70.4947



63.3811, 54.3705, 101.7618



18.2764, 15.2418, 71.7910



12.8058, 10.5898, 21.6190



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.



20.9276, 9.2500, 70.4947



28.2165, 12.4610, 95.5258



42.7703, 20.6235, 66.3991



13.6470, 13.6016, 17.2938



12.4369, 5.5068, 41.4558



0.9652, 0.4348, 2.8783

Inverse Universe

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



32.9300, 16.6874, 14.5811



44.5649, 22.5900, 19.4388



26.4285, 52.7918, 9.0104



13.9719, 13.8064, 15.6222



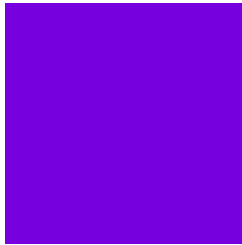
19.4182, 9.8343, 8.8682



1.3909, 0.6996, 0.8512

Previews

White Background



This preview shows how the XYZ color 20.9270, 9.2497, 70.4944 looks on a white background.

Color Contrast Check

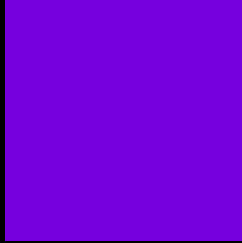
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9270, 9.2497, 70.4944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

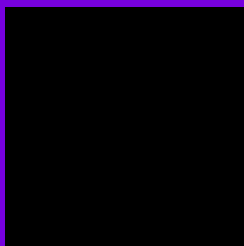
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9270, 9.2497, 70.4944

Background



This preview shows how black text looks on a background with the XYZ color 20.9270, 9.2497, 70.4944.



This preview shows how white text looks on a background with the XYZ color 20.9270, 9.2497,

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

20.9270, 9.2497, 70.4944

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.3237, 9.5793, 31.0633



Tritanopia

9.2663, 9.6030, 11.9548

Trichromacy



Original Color

20.9270, 9.2497, 70.4944



Protanomaly

12.0530, 7.0470, 51.7639



Deuteranomaly

10.4953, 6.6542, 42.8507



Tritanomaly

11.2109, 7.2521, 26.0082

Monochromacy



Original Color

20.9270, 9.2497, 70.4944



Achromatopsia

4.4355, 4.6665, 5.0818



Achromatomaly

7.5954, 4.6009, 18.2571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9270, 9.2497, 70.4944 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(119, 0, 223)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 223)  
}
```

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(119, 0, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 223) }
```

Border

The CSS property to change the border of an element to XYZ 20.9270, 9.2497, 70.4944 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(119, 0, 223) }
```


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

```
.border{ border-color:rgb(119, 0, 223) }
```

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

Here you see how a box with a 4 pixel rgb(119, 0, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 223);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9270, 9.2497, 70.4944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 223) }
```

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

```
.background{ background-color: rgb(119, 0,  
223) }
```

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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