

Converting Colors

XYZ(20.7060, 9.1536, 69.6774)

Have a look what the booklet for
XYZ(20.7060, 9.1536, 69.6774)
contains.

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Color

**XYZ(20.7926, 9.1959,
69.7863)**

Conversions

Conversions Part 1

Format	Color
Hex	7700DE
RGB	119, 0, 222
RGB Percent	47%, 0%, 87%
CMY	0.5333, 1.0000, 0.1294
CMYK	0.46, 1.00, 0.00, 0.13
HSL	272°, 100%, 44%
HSV	272°, 100%, 87%
XYZ	20.7926, 9.1959, 69.7863
YIQ	60.8890, -0.3380, 94.2700

Conversions

Conversions Part 2

Format	Color
R_{YB}	119, 0, 222
Decimal	7799006
CIE Lab	36.36, 75.59, -82.16
CIE LCh	36, 111.645, 312.613
Yxy	9.1959, 0.2084, 0.0922
Android (android.graphics.Color)	4285989086 (0xFF7700DE)
YUV	60.8890, 79.4277, 50.9633
Hunter-Lab	30.3247, 69.3228, -115.2167

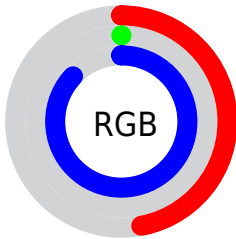
Details

The XYZ color **20.7926, 9.1959, 69.7863** is a dark color, and the websafe version is hex **6600CC**.

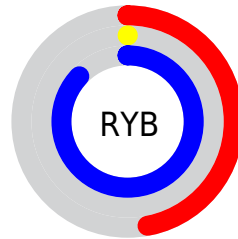
The color can be described as dark washed purple. A complement of this color would be **31.7144, 55.1260, 8.9689**, and the grayscale version is **4.3119, 4.5364, 4.9402**.

A 20% lighter version of the original color is **39.5968, 22.3721, 96.8390**, and **8.1568, 3.4204, 35.8276** is the 20% darker color. If you saturate the color by 10%, you get **20.7933, 9.1962, 69.7866**, and if you desaturate by 10%, it is **22.5752, 10.5464, 69.9533**.

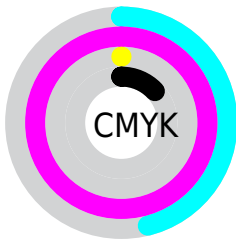
Distribution



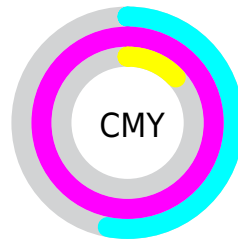
- Red (47%)
- Green (0%)
- Blue (87%)



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



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7926, 9.1959, 69.7863 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 20.7926, 9.1959, 69.7863 by changing the saturation by 10% instead.

■ 20.7926, 9.1959,
69.7863

■ 20.7926, 9.1959,
69.7863

248.9268,
184.8326, 478.5681

■ 13.0841, 4.8692,
50.8766

■ 44.2360, 24.2717,
120.5822

■ 7.5639, 2.1707,
35.7344

■ 60.7016, 35.7895,
153.3055

■ 3.8666, 0.7040,
23.9410

■ 80.8169, 50.4731,
191.4704

■ 1.6270, 0.0000,
15.0781

■ 104.9473, 68.7070,
235.4955

■ 0.4099, 0.0000,
8.7270

■ 133.4581, 90.8755,
285.7993

■ 0.0000, 0.0000,
4.4692

■ 166.7148,

■ 0.0000, 0.0000,

117.3630, 342.8003

1.8861

205.0825,
148.5539, 406.9170

0.0000, 0.0000,
0.4839

0.0000, 0.0000,
0.0000

20.7926, 9.1959,
69.7863

20.7926, 9.1959,
69.7863

20.7933, 9.1962,
69.7866

22.5752, 10.5464,
69.9533

24.8491, 12.6464,
70.2388

27.7282, 15.7157,
70.6795

31.2785, 19.8800,
71.2961

■ 35.5557, 25.2450,
72.1062

■ 40.6095, 31.9037,
73.1251

■ 46.4844, 39.9396,
74.3666

■ 53.2212, 49.4291,
75.8432

■ 60.8581, 60.4427,
77.5665

Harmonies

Analogous

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



11.8900, 9.1959, 107.6213



20.7926, 9.1959, 69.7863



27.8829, 9.1959, 25.7220

Triad

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



20.7926, 9.1959, 69.7863



13.2179, 9.1959, 0.0000



1.2095, 9.1959, 20.5130

Complementary

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



20.7926, 9.1959, 69.7863



31.7144, 55.1260, 8.9689

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.



1.2859, 9.1959, 2.5088



20.7926, 9.1959, 69.7863



6.2029, 9.1959, 0.0000

Square

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



20.7926, 9.1959, 69.7863



22.1840, 9.1959, 0.0000



2.5712, 9.1959, 0.0000



2.2478, 9.1959, 62.1031

Rectangle

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



20.7926, 9.1959, 69.7863



29.1570, 9.1959, 8.4128



2.5712, 9.1959, 0.0000



1.1311, 9.1959, 11.8037

Sweetspot

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



20.7933, 9.1962, 69.7866



63.4367, 54.3992, 101.7644



18.0950, 15.0943, 71.0672



12.8189, 10.5966, 21.6197



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.



20.7933, 9.1962, 69.7866



28.3165, 12.5126, 95.5305



42.3387, 20.4154, 65.7301



13.6503, 13.6033, 17.2939



12.4804, 5.5292, 41.4578



0.9681, 0.4364, 2.8784

Inverse Universe

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



32.5722, 16.5088, 14.3005



44.5282, 22.5753, 19.2454



26.1619, 52.2589, 8.9206



13.9705, 13.8058, 15.6148



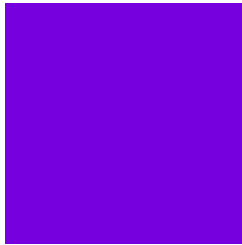
19.4022, 9.8279, 8.7835



1.3897, 0.6992, 0.8452

Previews

White Background



This preview shows how the XYZ color 20.7926, 9.1959, 69.7863 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

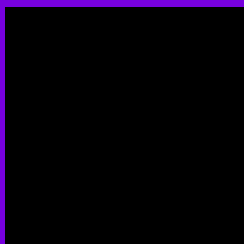
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7926, 9.1959, 69.7863

Background



This preview shows how black text looks on a background with the XYZ color 20.7926, 9.1959, 69.7863.



This preview shows how white text looks on a background with the XYZ color 20.7926, 9.1959,

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

20.7926, 9.1959, 69.7863

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.3237, 9.5793, 31.0633



Tritanopia

9.3145, 9.6329, 11.7243

Trichromacy



Original Color

20.7926, 9.1959, 69.7863

Protanomaly

11.8950, 6.9101, 51.1589

Deuteranomaly

10.3952, 6.6142, 42.3237

Tritanomaly

11.2454, 7.2785, 25.6231

Monochromacy



Original Color

20.7926, 9.1959, 69.7863

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 20.7926, 9.1959, 69.7863 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 222) }
```

Border

The CSS property to change the border of an element to XYZ 20.7926, 9.1959, 69.7863 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, 222) }
```


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

```
.border{ border-color:rgb(119, 0, 222) }
```

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, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7926, 9.1959, 69.7863 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, 222) }
```

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

```
.background{ background-color: rgb(119, 0,  
222) }
```

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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