

Converting Colors

XYZ(19.6867, 8.5516, 62.0316)

Have a look what the booklet for
XYZ(19.6867, 8.5516, 62.0316)
contains.

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Color

**XYZ(19.9263, 8.9141,
62.2984)**

Conversions

Conversions Part 1

Format	Color
Hex	7B00D3
RGB	123, 0, 211
RGB Percent	48%, 0%, 83%
CMY	0.5176, 1.0000, 0.1725
CMYK	0.42, 1.00, 0.00, 0.17
HSL	275°, 100%, 41%
HSV	275°, 100%, 83%
XYZ	19.9263, 8.9141, 62.2984
YIQ	60.8310, 5.5770, 91.6970

Conversions

Conversions Part 2

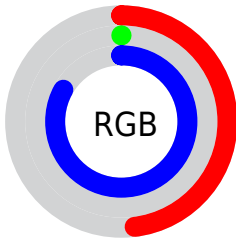
Format	Color
R _Y B	123, 0, 211
Decimal	8061139
CIE Lab	35.82, 73.67, -76.69
CIE LCh	36, 106.348, 313.850
Yxy	8.9141, 0.2186, 0.0978
Android (android.graphics.Color)	4286251219 (0xFF7B00D3)
YUV	60.8310, 74.0333, 54.5222
Hunter-Lab	29.8565, 66.8825, -102.8147

Details

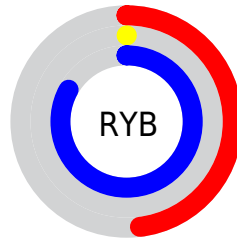
The XYZ color **19.9263, 8.9141, 62.2984** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **27.3185, 48.6632, 7.9531**, and the grayscale version is **4.3105, 4.5349, 4.9386**.

A 20% lighter version of the original color is **40.3028, 22.7361, 96.8720**, and **7.7799, 3.3272, 31.2425** is the 20% darker color. If you saturate the color by 10%, you get **19.9269, 8.9144, 62.2987**, and if you desaturate by 10%, it is **21.5130, 10.1329, 62.4503**.

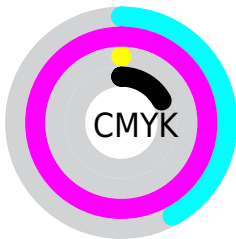
Distribution



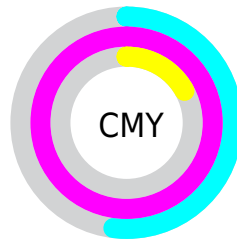
- Red (48%)
- Green (0%)
- Blue (83%)



- Red (48%)
- Yellow (0%)
- Blue (83%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (52%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9263, 8.9141, 62.2984 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 19.9263, 8.9141, 62.2984 by changing the saturation by 10% instead.

■ 19.9263, 8.9141,
62.2984

■ 19.9263, 8.9141,
62.2984

244.3570,
182.7358, 451.0564

■ 12.4494, 4.6852,
44.8365

■ 42.7985, 23.7319,
109.7325

■ 7.1249, 2.0638,
30.9867

■ 58.9245, 35.0896,
140.5417

■ 3.5874, 0.6441,
20.3303

■ 78.6643, 49.5924,
176.6372

■ 1.4715, 0.0000,
12.4489

■ 102.3832, 67.6246,
218.4374

■ 0.3063, 0.0000,
6.9239

■ 130.4465, 89.5706,
266.3608

■ 0.0000, 0.0000,
3.3369

■ 163.2197,

■ 0.0000, 0.0000,

115.8149, 320.8262

1.2691

201.0681,
146.7418, 382.2518

0.0000, 0.0000,
0.0363

0.0000, 0.0000,
0.0000

19.9263, 8.9141,
62.2984

19.9263, 8.9141,
62.2984

19.9269, 8.9144,
62.2987

21.5130, 10.1329,
62.4503

23.5102, 12.0014,
62.7056

26.0202, 14.7191,
63.0979

29.0999, 18.3958,
63.6453

■ 32.7974, 23.1243,
64.3631

■ 37.1555, 28.9859,
65.2648

■ 42.2125, 36.0539,
66.3625

■ 48.0035, 44.3951,
67.6673

■ 54.5613, 54.0715,
69.1894

Harmonies

Analogous

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



11.7123, 8.9141, 97.2358



19.9263, 8.9141, 62.2984



26.2244, 8.9141, 22.8916

Triad

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



19.9263, 8.9141, 62.2984



12.3045, 8.9141, 0.0000



1.3172, 8.9141, 20.5913

Complementary

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



19.9263, 8.9141, 62.2984



27.3185, 48.6632, 7.9531

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.



1.3539, 8.9141, 2.9047



19.9263, 8.9141, 62.2984



5.8932, 8.9141, 0.0000

Square

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



19.9263, 8.9141, 62.2984



20.5402, 8.9141, 0.0000



2.5499, 8.9141, 0.0000



2.3987, 8.9141, 58.9608

Rectangle

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



19.9263, 8.9141, 62.2984



27.1925, 8.9141, 7.5600



2.5499, 8.9141, 0.0000



1.2256, 8.9141, 12.2238

Sweetspot

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



19.9269, 8.9144, 62.2987



64.5312, 54.9634, 101.8156



15.5362, 12.2597, 63.1758



13.0786, 10.7304, 21.6318



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.



19.9269, 8.9144, 62.2987



30.3814, 13.5771, 95.6271



36.9345, 17.8771, 54.2875



11.8144, 11.7532, 14.8896



12.1449, 5.4412, 37.6026



0.7683, 0.3503, 2.1067

Inverse Universe

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



28.6254, 14.5535, 10.5320



43.8595, 22.3078, 15.7243



23.3741, 46.6206, 8.1846



12.0103, 11.8889, 13.3300



17.3238, 8.8024, 6.6115



1.0078, 0.5078, 0.5758

Previews

White Background



This preview shows how the XYZ color 19.9263, 8.9141, 62.2984 looks on a white background.

Color Contrast Check

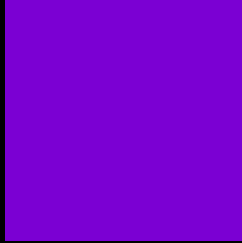
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9263, 8.9141, 62.2984 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 19.9263, 8.9141, 62.2984

Background



This preview shows how black text looks on a background with the XYZ color 19.9263, 8.9141, 62.2984.



This preview shows how white text looks on a background with the XYZ color 19.9263, 8.9141,

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

19.9263, 8.9141, 62.2984

Protanopia

10.8311, 9.2817, 41.7781

Deuteranopia

9.1583, 9.3791, 30.6058



Tritanopia

9.6443, 9.2427, 10.7269

Trichromacy



Original Color

19.9263, 8.9141, 62.2984

Protanomaly

11.4324, 6.7349, 48.2744

Deuteranomaly

10.0881, 6.5013, 40.2583

Tritanomaly

11.4055, 7.2136, 22.9815

Monochromacy



Original Color

19.9263, 8.9141, 62.2984

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.5341, 4.5968, 17.0132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9263, 8.9141, 62.2984 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(123, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(123, 0, 211)  
}
```

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(123, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 0, 211) }
```

Border

The CSS property to change the border of an element to XYZ 19.9263, 8.9141, 62.2984 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(123, 0, 211) }
```


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

```
.border{ border-color:rgb(123, 0, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 0, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(123, 0,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9263, 8.9141, 62.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 0, 211) }
```

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

```
.background{ background-color: rgb(123, 0,  
211) }
```

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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