

Converting Colors

XYZ(19.6589, 8.7907, 61.6334)

Have a look what the booklet for
XYZ(19.6589, 8.7907, 61.6334)
contains.

XYZ(19.6589, 8.7907, 61.6334)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.6589, 8.7907,
61.6334)**

Conversions

Conversions Part 1

Format	Color
Hex	7A00D2
RGB	122, 0, 210
RGB Percent	48%, 0%, 82%
CMY	0.5216, 1.0000, 0.1765
CMYK	0.42, 1.00, 0.00, 0.18
HSL	275°, 100%, 41%
HSV	275°, 100%, 82%
XYZ	19.6589, 8.7907, 61.6334
YIQ	60.4180, 5.3020, 91.1740

Conversions

Conversions Part 2

Format	Color
RYB	122, 0, 210
Decimal	7995602
CIELab	35.58, 73.38, -76.52
CIELCh	36, 106.012, 313.800
Yxy	8.7907, 0.2182, 0.0976
Android (android.graphics.Color)	4286185682 (0xFF7A00D2)
YUV	60.4180, 73.7439, 54.0074
Hunter-Lab	29.6491, 66.4688, -102.4953

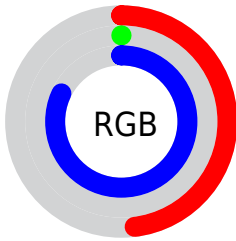
Details

The XYZ color **19.6589, 8.7907, 61.6334** is a dark color, and the websafe version is hex **6600CC**.

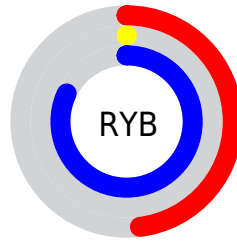
The color can be described as dark washed purple. A complement of this color would be **27.0708, 48.1679, 7.8706**, and the grayscale version is **4.2535, 4.4750, 4.8732**.

A 20% lighter version of the original color is **40.0658, 22.6139, 96.8610**, and **7.6364, 3.2629, 30.7992** is the 20% darker color. If you saturate the color by 10%, you get **19.6595, 8.7910, 61.6337**, and if you desaturate by 10%, it is **21.2307, 9.9991, 61.7840**.

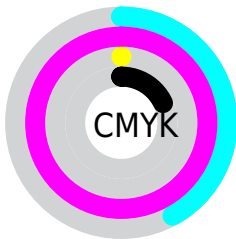
Distribution



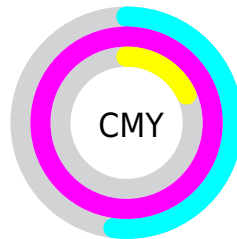
- Red (48%)
- Green (0%)
- Blue (82%)



- Red (48%)
- Yellow (0%)
- Blue (82%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)




- Cyan (52%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6589, 8.7907, 61.6334 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 19.6589, 8.7907, 61.6334 by changing the saturation by 10% instead.


 19.6589, 8.7907,
61.6334


 19.6589, 8.7907,
61.6334


242.9314,
181.8088, 448.5633


 12.2542, 4.6049,
44.3027

 42.3529, 23.4946,
108.7620

 6.9904, 2.0174,
30.5696


 58.3728, 34.7814,
139.3969

 3.5024, 0.6175,
20.0156


 77.9952, 49.2041,
175.3036

 1.4247, 0.0000,
12.2222

 101.5854, 67.1471,
216.9007

 0.2737, 0.0000,
6.7708

 129.5088, 88.9946,
264.6066


 0.0000, 0.0000,
3.2429

 162.1307,

 0.0000, 0.0000,


115.1311, 318.8400


1.2200

 199.8164,
145.9410, 380.0194


 0.0000, 0.0000,
0.0000


 19.6589, 8.7907,
61.6334


 19.6589, 8.7907,
61.6334


 19.6595, 8.7910,
61.6337

 21.2307, 9.9991,
61.7840

 23.2093, 11.8501,
62.0370

 25.6962, 14.5417,
62.4255

 28.7474, 18.1823,
62.9674

 32.4108, 22.8636,
63.6779

■ 36.7285, 28.6660,
64.5703

■ 41.7385, 35.6619,
65.6566

■ 47.4755, 43.9174,
66.9477

■ 53.9720, 53.4938,
68.4537

Harmonies

Analogous

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



11.5429, 8.7907, 96.1515



19.6589, 8.7907, 61.6334



25.8913, 8.7907, 22.6503

Triad

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



19.6589, 8.7907, 61.6334



12.1533, 8.7907, 0.0000



1.2933, 8.7907, 20.2786

Complementary

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



19.6589, 8.7907, 61.6334



27.0708, 48.1679, 7.8706

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.



1.3310, 8.7907, 2.8455



19.6589, 8.7907, 61.6334



5.8162, 8.7907, 0.0000

Square

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



19.6589, 8.7907, 61.6334



20.2919, 8.7907, 0.0000



2.5125, 8.7907, 0.0000



2.3569, 8.7907, 58.1901

Rectangle

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



19.6589, 8.7907, 61.6334



26.8559, 8.7907, 7.4775



2.5125, 8.7907, 0.0000



1.2035, 8.7907, 12.0241

Sweetspot

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



19.6595, 8.7910, 61.6337



64.4843, 54.9393, 101.8134



15.3740, 12.1354, 62.5050



13.0675, 10.7247, 21.6313



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.



19.6595, 8.7910, 61.6337



30.2894, 13.5297, 95.6228



36.5423, 17.6872, 53.7127



11.8121, 11.7520, 14.8894



12.1089, 5.4226, 37.6010



0.7664, 0.3493, 2.1066

Inverse Universe

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



28.3397, 14.4062, 10.5187



43.8861, 22.3184, 15.8641



23.1259, 46.1251, 8.0996



12.0113, 11.8893, 13.3352



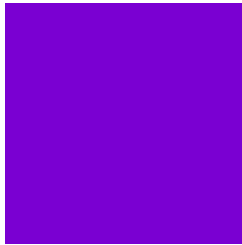
17.3345, 8.8066, 6.6675



1.0084, 0.5081, 0.5792

Previews

White Background



This preview shows how the XYZ color 19.6589, 8.7907, 61.6334 looks on a white background.

Color Contrast Check

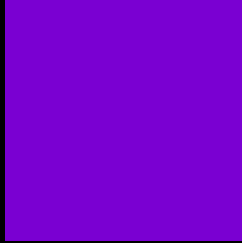
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6589, 8.7907, 61.6334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

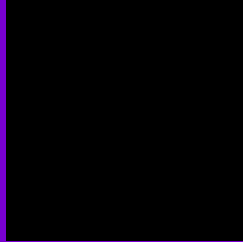
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6589, 8.7907, 61.6334

Background



This preview shows how black text looks on a background with the XYZ color 19.6589, 8.7907, 61.6334.



This preview shows how white text looks on a background with the XYZ color 19.6589, 8.7907,

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

19.6589, 8.7907, 61.6334

Protanopia

10.7332, 9.2425, 41.2627

Deuteranopia

8.9947, 9.1815, 30.1523



Tritanopia

9.4981, 9.1721, 10.5023

Trichromacy



Original Color

19.6589, 8.7907, 61.6334



Protanomaly

11.2814, 6.6695, 47.7065



Deuteranomaly

9.8993, 6.3424, 39.7322



Tritanomaly

11.2185, 7.1252, 22.6138

Monochromacy



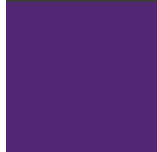
Original Color

19.6589, 8.7907, 61.6334



Achromatopsia

4.2949, 4.5186, 4.9208



Achromatomaly

7.3549, 4.4630, 16.6935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6589, 8.7907, 61.6334 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(122, 0, 210)` looks like.

```
.text, #text, p{  
    color:rgb(122, 0, 210)  
}
```

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(122, 0, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 210) }
```

Border

The CSS property to change the border of an element to XYZ 19.6589, 8.7907, 61.6334 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(122, 0, 210) }
```


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

```
.border{ border-color:rgb(122, 0, 210) }
```

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

Here you see how a box with a 4 pixel rgb(122, 0, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(122, 0,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6589, 8.7907, 61.6334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 210) }
```

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

```
.background{ background-color: rgb(122, 0,  
210) }
```

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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