

Converting Colors

XYZ(20.8600, 9.9613, 36.7795)

Have a look what the booklet for
XYZ(20.8600, 9.9613, 36.7795)
contains.

XYZ(20.7876, 9.9213, 36.8958)	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(20.7876, 9.9213,
36.8958)**

Conversions

Conversions Part 1

Format	Color
Hex	9D00A6
RGB	157, 0, 166
RGB Percent	62%, 0%, 65%
CMY	0.3843, 0.9999, 0.3490
CMYK	0.05, 1.00, 0.00, 0.35
HSL	297°, 100%, 33%
HSV	297°, 100%, 65%
XYZ	20.7876, 9.9213, 36.8958
YIQ	65.8670, 40.2860, 84.9100

Conversions

Conversions Part 2

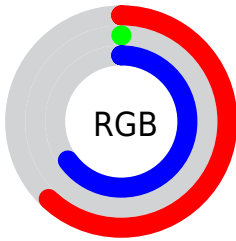
Format	Color
R_{YB}	157, 0, 166
Decimal	10289318
CIE _{Lab}	37.70, 69.78, -46.85
CIE _{LCh}	38, 84.046, 326.125
Yxy	9.9213, 0.3075, 0.1468
Android (android.graphics.Color)	4288479398 (0xFF9D00A6)
YUV	65.8670, 49.3656, 79.9236
Hunter-Lab	31.4981, 62.6819, -47.4016

Details

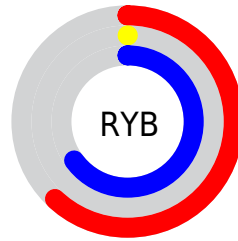
The XYZ color **20.7876, 9.9213, 36.8958** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.7492, 27.3308, 4.5511**, and the grayscale version is **5.0809, 5.3455, 5.8213**.

A 20% lighter version of the original color is **44.1516, 25.6059, 71.7226**, and **8.3475, 3.9590, 15.9470** is the 20% darker color. If you saturate the color by 10%, you get **20.7877, 9.9213, 36.8959**, and if you desaturate by 10%, it is **21.1587, 10.4013, 36.9690**.

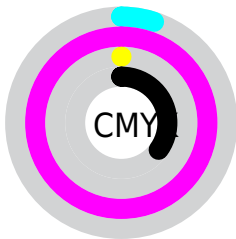
Distribution



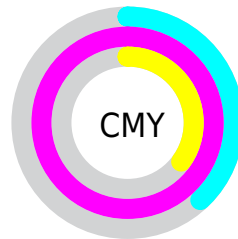
- Red (62%)
- Green (0%)
- Blue (65%)



- Red (62%)
- Yellow (0%)
- Blue (65%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)





- Cyan (38%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7876, 9.9213, 36.8958 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 20.7876, 9.9213, 36.8958 by changing the saturation by 10% instead.


 20.7876, 9.9213,
36.8958


 20.7876, 9.9213,
36.8958


248.9007,
190.1094, 348.0143


 13.0804, 5.3468,
24.8317


 44.2277, 25.6474,
71.5970

 7.5613, 2.4522,
15.7338


 60.6914, 37.5677,
95.0712


 3.8650, 0.8525,
9.1837


 80.8045, 52.7055,
123.1858

 1.6260, 0.0000,
4.7627

 104.9326, 71.4451,
156.3594

 0.4093, 0.0000,
2.0524

 133.4408, 94.1709,
195.0105

 0.0000, 0.0000,
0.5872

 166.6947,

 0.0000, 0.0000,

121.2673, 239.5577

0.0000

205.0595,
153.1187, 290.4194

■ 20.7876, 9.9213,
36.8958

■ 20.7876, 9.9213,
36.8958

■ 20.7877, 9.9213,
36.8959

■ 21.1587, 10.4013,
36.9690

■ 21.6915, 11.2035,
37.0958

■ 22.4532, 12.4614,
37.2984

■ 23.4732, 14.2340,
37.5868

■ 24.7765, 16.5712,
37.9693

■ 26.3852, 19.5173,
38.4531

■ 28.3192, 23.1119,
39.0450

■ 30.5966, 27.3916,
39.7510

■ 33.2343, 32.3898,
40.5768

Harmonies

Analogous

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



14.7146, 9.9213, 64.5904



20.7876, 9.9213, 36.8958



23.8395, 9.9213, 12.9153

Triad

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



20.7876, 9.9213, 36.8958



10.1413, 9.9213, 0.0000



2.8872, 9.9213, 29.6237

Complementary

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



20.7876, 9.9213, 36.8958



13.7492, 27.3308, 4.5511

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.



2.4458, 9.9213, 8.9338



20.7876, 9.9213, 36.8958



5.5915, 9.9213, 0.0000

Square

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



20.7876, 9.9213, 36.8958



16.3923, 9.9213, 0.0000



3.2142, 9.9213, 1.3025



4.7850, 9.9213, 58.2595

Rectangle

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



20.7876, 9.9213, 36.8958



23.1401, 9.9213, 4.5190



3.2142, 9.9213, 1.3025



2.6039, 9.9213, 21.2058

Sweetspot

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



20.7880, 9.9217, 36.8960



51.1813, 41.5438, 70.7965



7.0037, 2.9945, 36.2854



11.1215, 8.6781, 15.7410



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7880, 9.9217, 36.8960



37.6684, 17.9757, 66.9596



17.7498, 8.9168, 11.3925



7.8011, 7.6456, 9.4829



16.1327, 7.7001, 28.6115



0.4042, 0.1934, 0.6967

Inverse Universe

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



15.7755, 8.1271, 0.9961



28.6059, 14.7394, 1.6772



14.8043, 27.7398, 10.6950



7.5470, 7.5487, 7.9317



12.2386, 6.3041, 0.8020



0.3028, 0.1554, 0.0458

Previews

White Background



This preview shows how the XYZ color 20.7876, 9.9213, 36.8958 looks on a white background.

Color Contrast Check

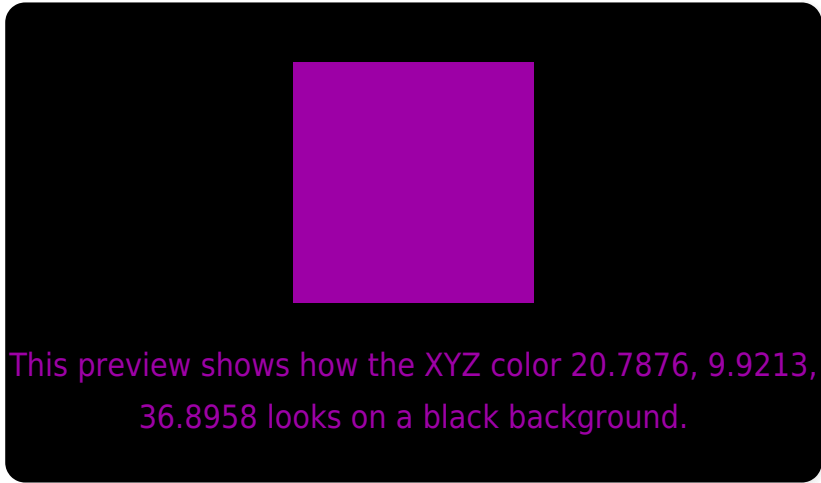
Large Text (above 18pt) WCAG AA ✓ Pass

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

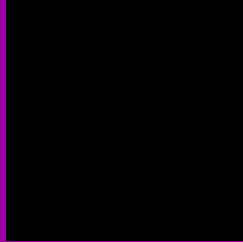
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7876, 9.9213, 36.8958

Background



This preview shows how black text looks on a background with the XYZ color 20.7876, 9.9213, 36.8958.



This preview shows how white text looks on a background with the XYZ color 20.7876, 9.9213,

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

20.7876, 9.9213, 36.8958

Protanopia

12.3526, 10.5246, 47.8348

Deuteranopia

10.8242, 10.5682, 32.9219



Tritanopia

14.8498, 10.3338, 7.0063

Trichromacy



Original Color

20.7876, 9.9213, 36.8958



Protanomaly

11.2382, 6.9529, 43.3975



Deuteranomaly

11.5653, 7.5508, 34.1056



Tritanomaly

15.9204, 9.0898, 14.2800

Monochromacy



Original Color

20.7876, 9.9213, 36.8958



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.3718, 5.2679, 13.1459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7876, 9.9213, 36.8958 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(157, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(157, 0, 166)  
}
```

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(157, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.7876, 9.9213, 36.8958 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(157, 0, 166) }
```


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

```
.border{ border-color:rgb(157, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(157, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(157, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7876, 9.9213, 36.8958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 0, 166) }
```

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

```
.background{ background-color: rgb(157, 0,  
166) }
```

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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