

Converting Colors

XYZ(17.0004, 8.3177, 20.9581)

Have a look what the booklet for
XYZ(17.0004, 8.3177, 20.9581)
contains.

XYZ(16.9676, 8.3046, 20.7873)	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(16.9676, 8.3046,
20.7873)**

Conversions

Conversions Part 1

Format	Color
Hex	99007F
RGB	153, 0, 127
RGB Percent	60%, 0%, 50%
CMY	0.4000, 0.9999, 0.5020
CMYK	0.00, 1.00, 0.17, 0.40
HSL	310°, 100%, 30%
HSV	310°, 100%, 60%
XYZ	16.9676, 8.3046, 20.7873
YIQ	60.2250, 50.4210, 71.9330

Conversions

Conversions Part 2

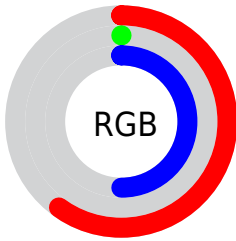
Format	Color
RYB	153, 0, 127
Decimal	10027135
CIELab	34.61, 63.39, -27.90
CIELCh	35, 69.260, 336.241
Yxy	8.3046, 0.3684, 0.1803
Android (android.graphics.Color)	4288217215 (0xFF99007F)
YUV	60.2250, 32.9201, 81.3637
Hunter-Lab	28.8177, 54.6682, -22.5957

Details

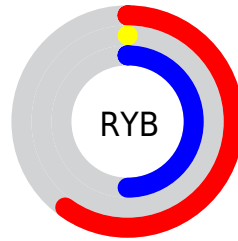
The XYZ color **16.9676, 8.3046, 20.7873** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **11.5782, 22.8573, 4.7800**, and the grayscale version is **4.2783, 4.5011, 4.9017**.

A 20% lighter version of the original color is **37.8266, 22.5929, 45.5472**, and **6.2693, 3.0772, 7.2847** is the 20% darker color. If you saturate the color by 10%, you get **16.9675, 8.3046, 20.7864**, and if you desaturate by 10%, it is **17.3148, 8.7240, 21.7501**.

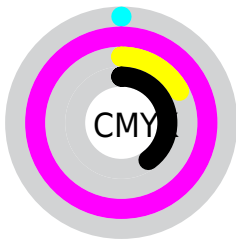
Distribution



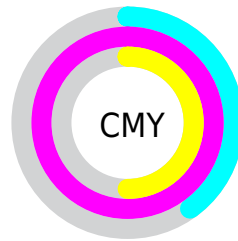
- Red (60%)
- Green (0%)
- Blue (50%)



- Red (60%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (40%)



- Cyan (40%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9676, 8.3046, 20.7873 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 16.9676, 8.3046, 20.7873 by changing the saturation by 10% instead.

■ 16.9676, 8.3046,
20.7873

■ 16.9676, 8.3046,
20.7873

228.1455,
178.1020, 268.8898

■ 10.3066, 4.2905,
12.7789

■ 37.8141, 22.5534,
45.6095

■ 5.6665, 1.8373,
7.1475

■ 52.7303, 33.5570,
63.2603

■ 2.6821, 0.5103,
3.4747

■ 71.1289, 47.6590,
84.9623

■ 0.9880, 0.0000,
1.3418

■ 93.3752, 65.2441,
111.1341

■ 0.0000, 0.0000,
0.0957

■ 119.8347, 86.6965,
142.1942

■ 0.0000, 0.0000,
0.0000

■ 150.8727,

112.4007, 178.5612

186.8545,
142.7411, 220.6535

16.9676, 8.3046,
20.7873

16.9676, 8.3046,
20.7873

16.9675, 8.3046,
20.7864

17.3148, 8.7240,
21.7501

17.7956, 9.4039,
22.7791

18.4699, 10.4636,
23.8945

19.3615, 11.9508,
25.1044

20.4909, 13.9064,
26.4158

■ 21.8761, 16.3662,
27.8348

■ 23.5334, 19.3629,
29.3670

■ 25.4776, 22.9261,
31.0175

■ 27.7225, 27.0835,
32.7911

Harmonies

Analogous

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



13.2244, 8.3046, 39.8986



16.9676, 8.3046, 20.7873



17.9740, 8.3046, 6.8978

Triad

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



16.9676, 8.3046, 20.7873



7.1039, 8.3046, 0.0000



3.2497, 8.3046, 28.6788

Complementary

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



16.9676, 8.3046, 20.7873



11.5782, 22.8573, 4.7800

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.



2.5302, 8.3046, 11.5907



16.9676, 8.3046, 20.7873



4.2307, 8.3046, 0.2664

Square

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



16.9676, 8.3046, 20.7873



11.3263, 8.3046, 0.0000



2.8181, 8.3046, 2.8458



5.2352, 8.3046, 46.5325

Rectangle

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



16.9676, 8.3046, 20.7873



16.7394, 8.3046, 2.4724



2.8181, 8.3046, 2.8458



2.8879, 8.3046, 22.2944

Sweetspot

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



16.9679, 8.3050, 20.7874



41.9518, 34.3240, 52.4210



6.1637, 2.5136, 30.2974



9.0005, 7.1021, 11.3374



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.9679, 8.3050, 20.7874



30.3269, 14.8485, 36.9108



13.7349, 7.0118, 3.7628



6.4161, 6.3056, 7.5715



14.0339, 6.8678, 17.2354



0.2203, 0.1069, 0.3131

Inverse Universe

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



16.9679, 8.3050, 20.7874



30.3269, 14.8485, 36.9108



13.7901, 23.7421, 16.4278



6.4161, 6.3056, 7.5715



14.0339, 6.8678, 17.2354



0.2203, 0.1069, 0.3131

Previews

White Background



This preview shows how the XYZ color 16.9676, 8.3046, 20.7873 looks on a white background.

Color Contrast Check

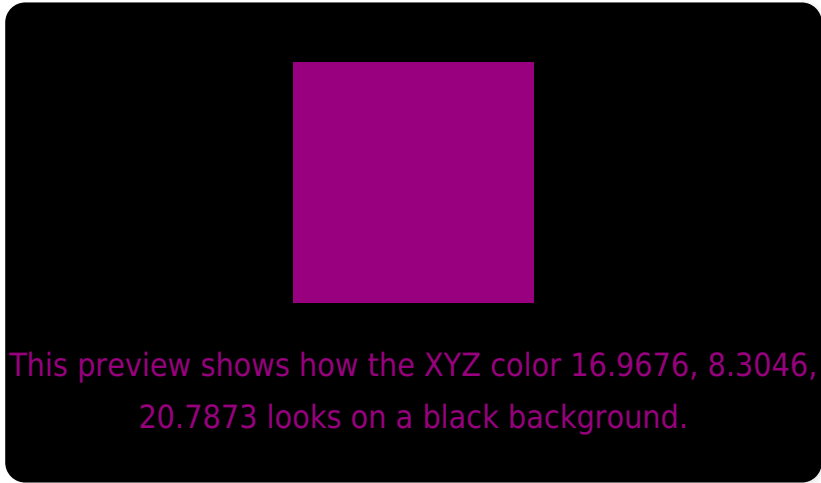
Large Text (above 18pt) WCAG AA ✓ Pass

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

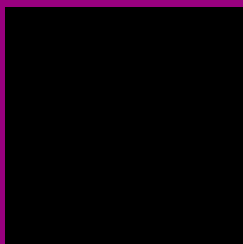
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9676, 8.3046, 20.7873

Background



This preview shows how black text looks on a background with the XYZ color 16.9676, 8.3046, 20.7873.



This preview shows how white text looks on a background with the XYZ color 16.9676, 8.3046,

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

16.9676, 8.3046, 20.7873

Protanopia

10.4853, 8.9020, 40.7008

Deuteranopia

9.0955, 8.8961, 18.6905



Tritanopia

13.8158, 8.7413, 4.3272

Trichromacy



Original Color

16.9676, 8.3046, 20.7873



Protanomaly

8.8596, 5.6970, 32.0852



Deuteranomaly

10.1528, 6.7180, 19.1740



Tritanomaly

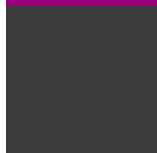
14.3589, 8.0018, 8.3771

Monochromacy



Original Color

16.9676, 8.3046, 20.7873



Achromatopsia

4.2949, 4.5186, 4.9208



Achromatomaly

6.9094, 4.4060, 8.8738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9676, 8.3046, 20.7873 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(153, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 127)  
}
```

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(153, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 16.9676, 8.3046, 20.7873 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(153, 0, 127) }
```


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

```
.border{ border-color:rgb(153, 0, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9676, 8.3046, 20.7873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 127) }
```

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

```
.background{ background-color: rgb(153, 0,  
127) }
```

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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