

Converting Colors

XYZ(20.0055, 9.9423, 17.6943)

Have a look what the booklet for
XYZ(20.0055, 9.9423, 17.6943)
contains.

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Color

**XYZ(20.0055, 9.9423,
17.6943)**

Conversions

Conversions Part 1

Format	Color
Hex	AB0075
RGB	171, 0, 117
RGB Percent	67%, 0%, 46%
CMY	0.3294, 0.9999, 0.5412
CMYK	0.00, 1.00, 0.32, 0.33
HSL	319°, 100%, 34%
HSV	319°, 100%, 67%
XYZ	20.0055, 9.9423, 17.6943
YIQ	64.4670, 64.3590, 72.6390

Conversions

Conversions Part 2

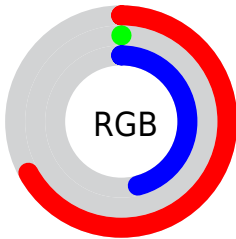
Format	Color
R_{YB}	171, 0, 117
Decimal	11206773
CIE _{Lab}	37.74, 65.79, -16.49
CIE _{LCh}	38, 67.825, 345.931
Yxy	9.9423, 0.4199, 0.2087
Android (android.graphics.Color)	4289396853 (0xFFAB0075)
YUV	64.4670, 25.8988, 93.4294
Hunter-Lab	31.5314, 58.0716, -11.1994

Details

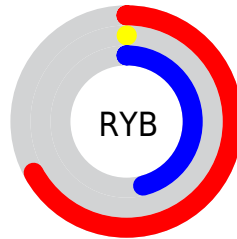
The XYZ color **20.0055, 9.9423, 17.6943** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.2297, 29.3926, 8.3637**, and the grayscale version is **4.9009, 5.1561, 5.6150**.

A 20% lighter version of the original color is **43.0589, 25.7384, 40.2347**, and **7.8842, 3.9404, 5.9752** is the 20% darker color. If you saturate the color by 10%, you get **20.0051, 9.9421, 17.6920**, and if you desaturate by 10%, it is **20.5348, 10.4778, 19.4830**.

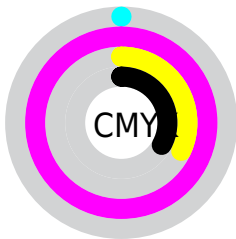
Distribution



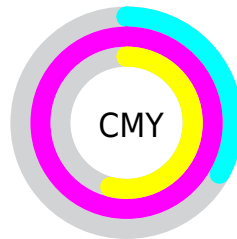
- Red (67%)
- Green (0%)
- Blue (46%)



- Red (67%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0055, 9.9423, 17.6943 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 20.0055, 9.9423, 17.6943 by changing the saturation by 10% instead.


 20.0055, 9.9423,
17.6943


 20.0055, 9.9423,
17.6943


244.7779,
190.2598, 251.3203


 12.5073, 5.3607,
10.5636


 42.9303, 25.6869,
40.3226


 7.1648, 2.4604,
5.6637


 59.0876, 37.6187,
56.6573

 3.6126, 0.8567,
2.5762

 78.8620, 52.7694,
76.8970

 1.4854, 0.0000,
0.8802

 102.6189, 71.5234,
101.4603

 0.3159, 0.0000,
0.0000

 130.7235, 94.2650,
130.7657

 0.0000, 0.0000,
0.0000

 163.5413,

121.3787, 165.2318

201.4377,
153.2488, 205.2772

■ 20.0055, 9.9423,
17.6943

■ 20.0055, 9.9423,
17.6943

■ 20.0051, 9.9421,
17.6920

■ 20.5348, 10.4778,
19.4830

■ 21.2564, 11.3682,
21.4277

■ 22.2404, 12.7532,
23.5532

■ 23.5188, 14.6963,
25.8715

■ 25.1190, 17.2516,
28.3932

■ 27.0649, 20.4669,
31.1276

■ 29.3782, 24.3848,
34.0832

■ 32.0787, 29.0448,
37.2680

■ 35.1848, 34.4832,
40.6893

Harmonies

Analogous

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



16.7570, 9.9423, 37.2086



20.0055, 9.9423, 17.6943



19.8907, 9.9423, 5.5235

Triad

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



20.0055, 9.9423, 17.6943



7.3496, 9.9423, 0.0000



4.7722, 9.9423, 38.4661

Complementary

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



20.0055, 9.9423, 17.6943



15.2297, 29.3926, 8.3637

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.



3.5042, 9.9423, 18.7496



20.0055, 9.9423, 17.6943



4.6523, 9.9423, 1.2802

Square

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



20.0055, 9.9423, 17.6943



11.6149, 9.9423, 0.0000



3.4683, 9.9423, 6.0136



7.5721, 9.9423, 54.1365

Rectangle

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



20.0055, 9.9423, 17.6943



17.8912, 9.9423, 2.0095



3.4683, 9.9423, 6.0136



4.1959, 9.9423, 31.6266

Sweetspot

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



20.0058, 9.9429, 17.6945



52.3714, 43.2560, 60.7423



8.7323, 3.6529, 38.7730



11.2859, 8.9772, 13.0536



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.0058, 9.9429, 17.6945



35.7279, 17.7658, 31.1584



17.0868, 8.7753, 2.3233



8.2278, 8.1044, 9.5103



15.1055, 7.5047, 13.4667



0.4435, 0.2181, 0.4973

Inverse Universe

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



20.0058, 9.9429, 17.6945



35.7279, 17.7658, 31.1584



19.0646, 30.9266, 28.5583



8.2278, 8.1044, 9.5103



15.1055, 7.5047, 13.4667



0.4435, 0.2181, 0.4973

Previews

White Background



This preview shows how the XYZ color 20.0055, 9.9423, 17.6943 looks on a white background.

Color Contrast Check

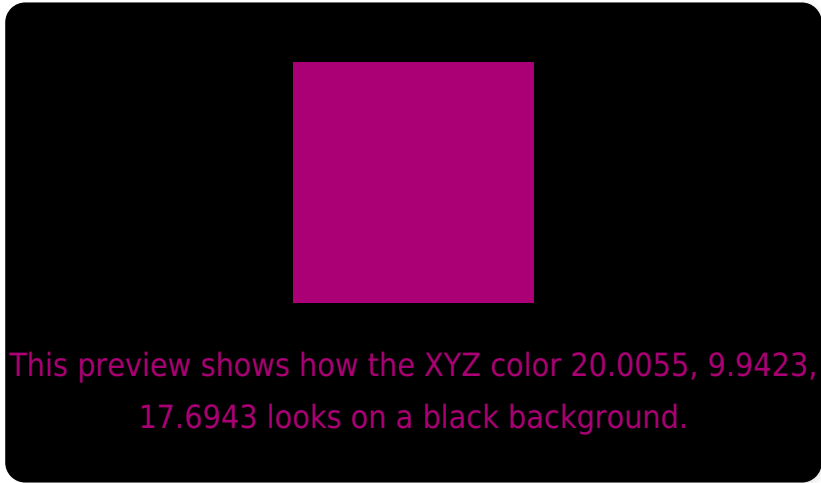
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0055, 9.9423, 17.6943

Background



This preview shows how black text looks on a background with the XYZ color 20.0055, 9.9423, 17.6943.



This preview shows how white text looks on a background with the XYZ color 20.0055, 9.9423,

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

20.0055, 9.9423, 17.6943

Protanopia

12.0156, 10.6917, 37.9896

Deuteranopia

10.7463, 10.5242, 15.9330



Tritanopia

17.2364, 10.2744, 3.8710

Trichromacy



Original Color

20.0055, 9.9423, 17.6943



Protanomaly

11.7118, 7.5830, 29.2802



Deuteranomaly

12.2729, 8.1611, 16.2576



Tritanomaly

17.7904, 9.6846, 7.2350

Monochromacy



Original Color

20.0055, 9.9423, 17.6943



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.9478, 5.0940, 8.7480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0055, 9.9423, 17.6943 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(171, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 117)  
}
```

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(171, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.0055, 9.9423, 17.6943 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(171, 0, 117) }
```


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

```
.border{ border-color:rgb(171, 0, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0055, 9.9423, 17.6943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 117) }
```

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

```
.background{ background-color: rgb(171, 0,  
117) }
```

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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