

Converting Colors

XYZ(20.9776, 10.3922, 20.0594)

Have a look what the booklet for
XYZ(20.9776, 10.3922, 20.0594)
contains.

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Color

**XYZ(20.8717, 10.3395,
19.9644)**

Conversions

Conversions Part 1

Format	Color
Hex	AD007C
RGB	173, 0, 124
RGB Percent	68%, 0%, 49%
CMY	0.3216, 0.9999, 0.5137
CMYK	0.00, 1.00, 0.28, 0.32
HSL	317°, 100%, 34%
HSV	317°, 100%, 68%
XYZ	20.8717, 10.3395, 19.9644
YIQ	65.8630, 63.3040, 75.2400

Conversions

Conversions Part 2

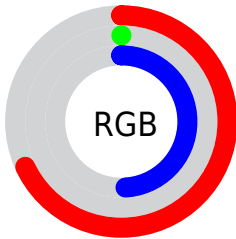
Format	Color
RYB	173, 0, 124
Decimal	11337852
CIELab	38.44, 66.98, -19.75
CIELCh	38, 69.829, 343.570
Yxy	10.3395, 0.4078, 0.2020
Android (android.graphics.Color)	4289527932 (0xFFAD007C)
YUV	65.8630, 28.6615, 93.9591
Hunter-Lab	32.1551, 59.5920, -14.3033

Details

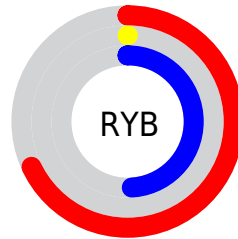
The XYZ color **20.8717, 10.3395, 19.9644** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.4989, 30.1094, 7.9034**, and the grayscale version is **5.1095, 5.3756, 5.8540**.

A 20% lighter version of the original color is **44.5574, 26.5325, 44.3678**, and **8.3402, 4.1528, 7.0186** is the 20% darker color. If you saturate the color by 10%, you get **20.8713, 10.3393, 19.9621**, and if you desaturate by 10%, it is **21.3950, 10.8777, 21.7063**.

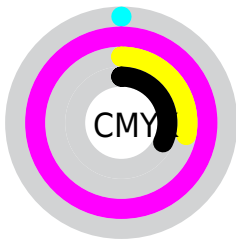
Distribution



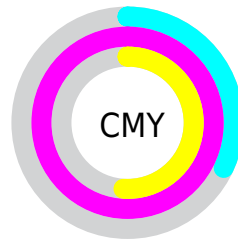
- Red (68%)
- Green (0%)
- Blue (49%)



- Red (68%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (32%)





- Cyan (32%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8717, 10.3395, 19.9644 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 20.8717, 10.3395, 19.9644 by changing the saturation by 10% instead.


 20.8717, 10.3395,
19.9644


 20.8717, 10.3395,
19.9644


249.3405,
193.0783, 264.3202


 13.1422, 5.6246,
12.1853


 44.3668, 26.4321,
44.2157


 7.6042, 2.6182,
6.7460


 60.8631, 38.5787,
61.5250


 3.8924, 0.9358,
3.2277

 81.0123, 53.9713,
82.8481

 1.6414, 0.0000,
1.2121

 105.1799, 72.9943,
108.6036

 0.4192, 0.0000,
0.0000

 133.7311, 96.0321,
139.2100

 0.0000, 0.0000,
0.0000

 167.0314,

123.4691, 175.0859

205.4461,
155.6897, 216.6498

■ 20.8717, 10.3395,
19.9644

■ 20.8717, 10.3395,
19.9644

■ 20.8713, 10.3393,
19.9621

■ 21.3950, 10.8777,
21.7063

■ 22.1130, 11.7801,
23.5901

■ 23.0968, 13.1890,
25.6406

■ 24.3794, 15.1698,
27.8699

■ 25.9888, 17.7782,
30.2883

■ 27.9497, 21.0631,
32.9050

■ 30.2842, 25.0687,
35.7283

■ 33.0127, 29.8353,
38.7660

■ 36.1540, 35.4003,
42.0254

Harmonies

Analogous

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



17.1986, 10.3395, 41.0351



20.8717, 10.3395, 19.9644



21.0596, 10.3395, 6.3322

Triad

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



20.8717, 10.3395, 19.9644



7.9095, 10.3395, 0.0000



4.7431, 10.3395, 38.9701

Complementary

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



20.8717, 10.3395, 19.9644



15.4989, 30.1094, 7.9034

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.



3.5285, 10.3395, 18.2414



20.8717, 10.3395, 19.9644



4.9363, 10.3395, 1.1031

Square

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



20.8717, 10.3395, 19.9644



12.5234, 10.3395, 0.0000



3.5861, 10.3395, 5.5420



7.5490, 10.3395, 56.6397

Rectangle

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



20.8717, 10.3395, 19.9644



19.0988, 10.3395, 2.2965



3.5861, 10.3395, 5.5420



4.1804, 10.3395, 31.6482

Sweetspot

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



20.8720, 10.3401, 19.9646



53.9944, 44.4760, 63.7054



8.6767, 3.6021, 39.7733



11.3497, 9.0027, 13.3893



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.



20.8720, 10.3401, 19.9646



37.2828, 18.4786, 35.2424



17.6235, 9.0407, 2.8582



8.2389, 8.1088, 9.5686



15.3584, 7.6059, 14.7988



0.4491, 0.2203, 0.5268

Inverse Universe

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



20.8720, 10.3401, 19.9646



37.2828, 18.4786, 35.2424



19.1527, 31.5709, 27.1443



8.2389, 8.1088, 9.5686



15.3584, 7.6059, 14.7988



0.4491, 0.2203, 0.5268

Previews

White Background



This preview shows how the XYZ color 20.8717, 10.3395, 19.9644 looks on a white background.

Color Contrast Check

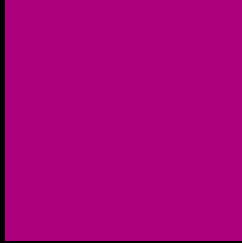
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.8717, 10.3395, 19.9644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

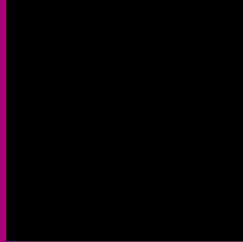
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8717, 10.3395, 19.9644

Background



This preview shows how black text looks on a background with the XYZ color 20.8717, 10.3395, 19.9644.



This preview shows how white text looks on a background with the XYZ color 20.8717, 10.3395,

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

20.8717, 10.3395, 19.9644

Protanopia

12.7187, 11.0675, 43.0609

Deuteranopia

11.2079, 10.9673, 18.0492



Tritanopia

17.8443, 10.7605, 4.2684

Trichromacy



Original Color

20.8717, 10.3395, 19.9644



Protanomaly

12.0483, 7.6702, 33.1932



Deuteranomaly

12.7280, 8.4230, 18.4077



Tritanomaly

18.4427, 10.0761, 8.1806

Monochromacy



Original Color

20.8717, 10.3395, 19.9644



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.3740, 5.3473, 9.6076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8717, 10.3395, 19.9644 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(173, 0, 124)` looks like.

```
.text, #text, p{  
  color:rgb(173, 0, 124)  
}
```

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(173, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.8717, 10.3395, 19.9644 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(173, 0, 124) }
```


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

```
.border{ border-color:rgb(173, 0, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 0, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8717, 10.3395, 19.9644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 124) }
```

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

```
.background{ background-color: rgb(173, 0,  
124) }
```

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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