

Converting Colors

XYZ(20.0907, 9.5647, 36.7435)

Have a look what the booklet for
XYZ(20.0907, 9.5647, 36.7435)
contains.

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Color

**XYZ(20.0198, 9.5255,
36.8598)**

Conversions

Conversions Part 1

Format	Color
Hex	9900A6
RGB	153, 0, 166
RGB Percent	60%, 0%, 65%
CMY	0.4000, 0.9999, 0.3490
CMYK	0.08, 1.00, 0.00, 0.35
HSL	295°, 100%, 33%
HSV	295°, 100%, 65%
XYZ	20.0198, 9.5255, 36.8598
YIQ	64.6710, 37.9020, 84.0620

Conversions

Conversions Part 2

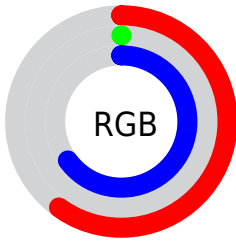
Format	Color
R_{YB}	153, 0, 166
Decimal	10027174
CIE _{Lab}	36.98, 69.14, -48.05
CIE _{LCh}	37, 84.200, 325.204
Yxy	9.5255, 0.3015, 0.1434
Android (android.graphics.Color)	4288217254 (0xFF9900A6)
YUV	64.6710, 49.9552, 77.4645
Hunter-Lab	30.8634, 61.7745, -49.2050

Details

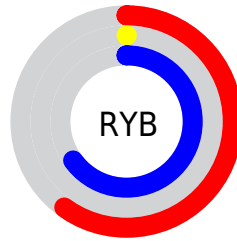
The XYZ color **20.0198, 9.5255, 36.8598** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.8025, 27.3582, 4.5536**, and the grayscale version is **4.8985, 5.1536, 5.6123**.

A 20% lighter version of the original color is **42.9174, 24.8601, 71.6437**, and **7.9104, 3.7336, 15.9265** is the 20% darker color. If you saturate the color by 10%, you get **20.0199, 9.5255, 36.8599**, and if you desaturate by 10%, it is **20.4613, 10.0418, 36.9363**.

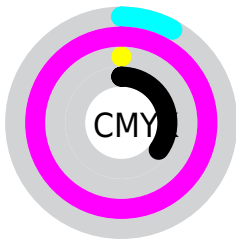
Distribution



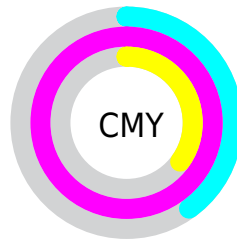
- Red (60%)
- Green (0%)
- Blue (65%)



- Red (60%)
- Yellow (0%)
- Blue (65%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)





- Cyan (40%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0198, 9.5255, 36.8598 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 20.0198, 9.5255, 36.8598 by changing the saturation by 10% instead.


 20.0198, 9.5255,
36.8598


 20.0198, 9.5255,
36.8598


244.8538,
187.2511, 347.8535


 12.5178, 5.0855,
24.8040


 42.9541, 24.8991,
71.5410


 7.1720, 2.2975,
15.7134


 59.1170, 36.6015,
95.0035

 3.6172, 0.7724,
9.1694


 78.8977, 51.4935,
123.1054

 1.4879, 0.0000,
4.7535

 102.6614, 69.9595,
156.2651

 0.3176, 0.0000,
2.0472

 130.7735, 92.3838,
194.9013

 0.0000, 0.0000,
0.5841

 163.5994,

 0.0000, 0.0000,

119.1510, 239.4323

0.0000

201.5043,
150.6453, 290.2769

■ 20.0198, 9.5255,
36.8598

■ 20.0198, 9.5255,
36.8598

■ 20.0199, 9.5255,
36.8599

■ 20.4613, 10.0418,
36.9363

■ 21.0660, 10.8810,
37.0664

■ 21.9010, 12.1767,
37.2725

■ 22.9956, 13.9877,
37.5644

■ 24.3750, 16.3642,
37.9504

■ 26.0611, 19.3501,
38.4379

■ 28.0740, 22.9854,
39.0335

■ 30.4317, 27.3064,
39.7432

■ 33.1511, 32.3468,
40.5728

Harmonies

Analogous

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



14.0234, 9.5255, 63.9878



20.0198, 9.5255, 36.8598



23.1501, 9.5255, 12.9593

Triad

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



20.0198, 9.5255, 36.8598



9.9171, 9.5255, 0.0000



2.6790, 9.5255, 28.0083

Complementary

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



20.0198, 9.5255, 36.8598



13.8025, 27.3582, 4.5536

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.



2.2915, 9.5255, 8.1537



20.0198, 9.5255, 36.8598



5.4234, 9.5255, 0.0000

Square

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



20.0198, 9.5255, 36.8598



16.0559, 9.5255, 0.0000



3.0683, 9.5255, 1.1042



4.4567, 9.5255, 56.2553

Rectangle

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



20.0198, 9.5255, 36.8598



22.5652, 9.5255, 4.5214



3.0683, 9.5255, 1.1042



2.4201, 9.5255, 19.8591

Sweetspot

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



20.0202, 9.5259, 36.8600



50.7283, 41.3103, 70.7753



7.0381, 3.0632, 36.2968



11.0071, 8.6191, 15.7356



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.



20.0202, 9.5259, 36.8600



36.2514, 17.2452, 66.8933



17.8763, 8.9674, 12.0587



7.7831, 7.6363, 9.4821



15.5424, 7.3958, 28.5839



0.3946, 0.1884, 0.6962

Inverse Universe

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



15.7988, 8.1364, 1.1190



28.6420, 14.7538, 1.8674



14.7161, 27.7045, 10.2306



7.5541, 7.5515, 7.9690



12.2585, 6.3121, 0.9069



0.3055, 0.1565, 0.0600

Previews

White Background



This preview shows how the XYZ color 20.0198, 9.5255, 36.8598 looks on a white background.

Color Contrast Check

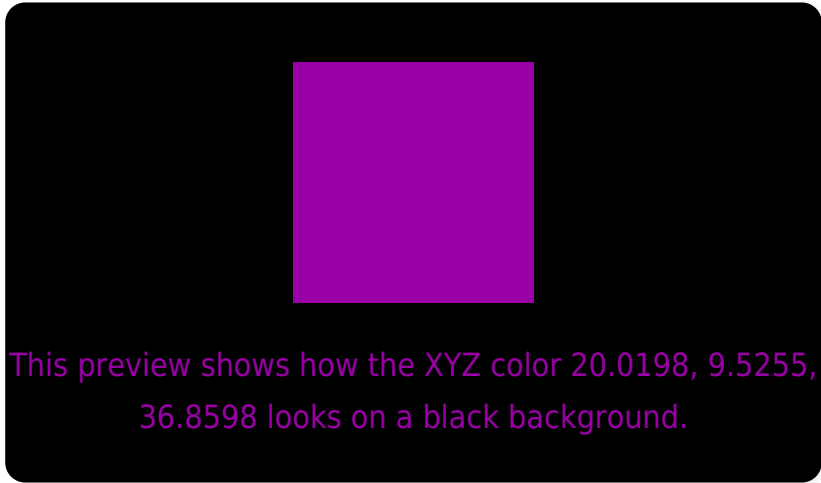
Large Text (above 18pt) WCAG AA ✓ Pass

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

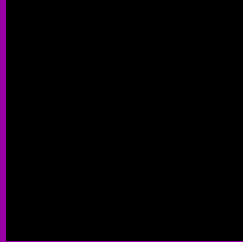
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0198, 9.5255, 36.8598

Background



This preview shows how black text looks on a background with the XYZ color 20.0198, 9.5255, 36.8598.



This preview shows how white text looks on a background with the XYZ color 20.0198, 9.5255,

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

20.0198, 9.5255, 36.8598

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

10.4350, 10.2398, 32.8790



Tritanopia

13.9803, 9.8855, 6.9656

Trichromacy



Original Color

20.0198, 9.5255, 36.8598



Protanomaly

10.9329, 6.7475, 42.3211



Deuteranomaly

11.0001, 7.1839, 34.0646



Tritanomaly

15.0198, 8.6255, 14.2379

Monochromacy



Original Color

20.0198, 9.5255, 36.8598



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.1210, 5.0866, 13.1242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0198, 9.5255, 36.8598 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.0198, 9.5255, 36.8598 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, 166) }
```


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

```
.border{ border-color:rgb(153, 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(153, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0198, 9.5255, 36.8598 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, 166) }
```

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

```
.background{ background-color: rgb(153, 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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