

Converting Colors

XYZ(20.1872, 9.6144, 36.7481)

Have a look what the booklet for
XYZ(20.1872, 9.6144, 36.7481)
contains.

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Color

**XYZ(20.2094, 9.6232,
36.8687)**

Conversions

Conversions Part 1

Format	Color
Hex	9A00A6
RGB	154, 0, 166
RGB Percent	60%, 0%, 65%
CMY	0.3961, 1.0000, 0.3490
CMYK	0.07, 1.00, 0.00, 0.35
HSL	296°, 100%, 33%
HSV	296°, 100%, 65%
XYZ	20.2094, 9.6232, 36.8687
YIQ	64.9700, 38.4980, 84.2740

Conversions

Conversions Part 2

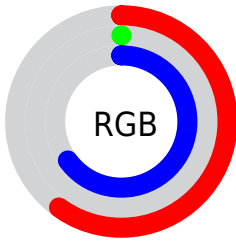
Format	Color
R_{YB}	154, 0, 166
Decimal	10092710
CIE _{Lab}	37.16, 69.30, -47.75
CIE _{LCh}	37, 84.159, 325.433
Yxy	9.6232, 0.3030, 0.1443
Android (android.graphics.Color)	4288282790 (0xFF9A00A6)
YUV	64.9700, 49.8078, 78.0793
Hunter-Lab	31.0213, 61.9999, -48.7511

Details

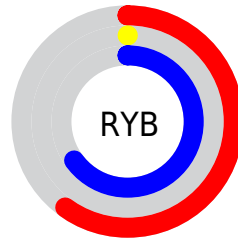
The XYZ color **20.2094, 9.6232, 36.8687** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.7881, 27.3508, 4.5529**, and the grayscale version is **4.9435, 5.2010, 5.6639**.

A 20% lighter version of the original color is **43.2049, 25.0083, 71.6572**, and **8.0176, 3.7889, 15.9315** is the 20% darker color. If you saturate the color by 10%, you get **20.2095, 9.6233, 36.8688**, and if you desaturate by 10%, it is **20.6337, 10.1307, 36.9444**.

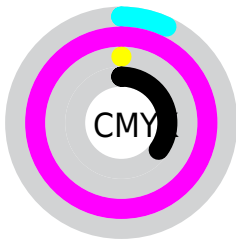
Distribution



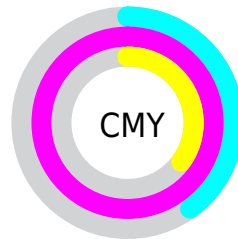
- Red (60%)
- Green (0%)
- Blue (65%)



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



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2094, 9.6232, 36.8687 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 20.2094, 9.6232, 36.8687 by changing the saturation by 10% instead.

 20.2094, 9.6232,
36.8687

 20.2094, 9.6232,
36.8687


245.8585,
187.9612, 347.8933


 12.6565, 5.1499,
24.8109


 43.2692, 25.0843,
71.5549

 7.2678, 2.3355,
15.7185


 59.5069, 36.8409,
95.0203


 3.6780, 0.7924,
9.1730


 79.3702, 51.7940,
123.1253

 1.5216, 0.0000,
4.7558

 103.2245, 70.3280,
156.2884

 0.3405, 0.0000,
2.0485

 131.4351, 92.8274,
194.9283

 0.0000, 0.0000,
0.5849

 164.3674,

 0.0000, 0.0000,

119.6764, 239.4633

0.0000

202.3867,
151.2596, 290.3121

■ 20.2094, 9.6232,
36.8687

■ 20.2094, 9.6232,
36.8687

■ 20.2095, 9.6233,
36.8688

■ 20.6337, 10.1307,
36.9444

■ 21.2209, 10.9607,
37.0737

■ 22.0378, 12.2471,
37.2789

■ 23.1141, 14.0486,
37.5699

■ 24.4746, 16.4153,
37.9550

■ 26.1416, 19.3913,
38.4416

■ 28.1348, 23.0164,
39.0363

■ 30.4725, 27.3270,
39.7451

■ 33.1715, 32.3568,
40.5737

Harmonies

Analogous

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



14.1936, 9.6232, 64.1374



20.2094, 9.6232, 36.8687



23.3207, 9.6232, 12.9484

Triad

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



20.2094, 9.6232, 36.8687



9.9727, 9.6232, 0.0000



2.7300, 9.6232, 28.4054

Complementary

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



20.2094, 9.6232, 36.8687



13.7881, 27.3508, 4.5529

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.



2.3294, 9.6232, 8.3438



20.2094, 9.6232, 36.8687



5.4650, 9.6232, 0.0000

Square

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



20.2094, 9.6232, 36.8687



16.1393, 9.6232, 0.0000



3.1043, 9.6232, 1.1516



4.5371, 9.6232, 56.7504

Rectangle

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



20.2094, 9.6232, 36.8687



22.7076, 9.6232, 4.5208



3.1043, 9.6232, 1.1516



2.4651, 9.6232, 20.1893

Sweetspot

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



20.2098, 9.6236, 36.8689



50.8412, 41.3685, 70.7806



7.0381, 3.0632, 36.2968



11.0356, 8.6338, 15.7370



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.



20.2098, 9.6236, 36.8689



36.6013, 17.4256, 66.9097



17.8762, 8.9673, 12.0585



7.7876, 7.6386, 9.4823



15.6882, 7.4710, 28.5907



0.3970, 0.1896, 0.6963

Inverse Universe

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



15.7925, 8.1339, 1.0858



28.6321, 14.7499, 1.8152



14.7160, 27.7044, 10.2304



7.5523, 7.5508, 7.9596



12.2533, 6.3100, 0.8794



0.3048, 0.1562, 0.0564

Previews

White Background



This preview shows how the XYZ color 20.2094, 9.6232, 36.8687 looks on a white background.

Color Contrast Check

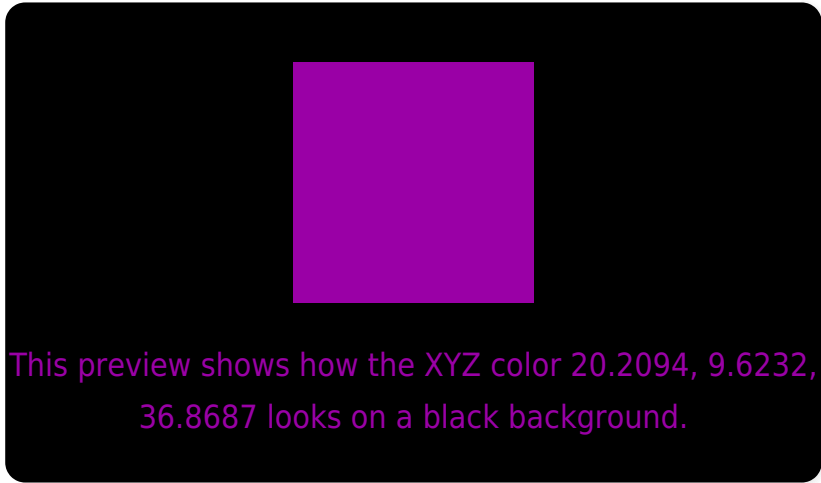
Large Text (above 18pt) WCAG AA ✓ Pass

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

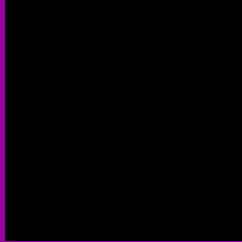
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2094, 9.6232, 36.8687

Background



This preview shows how black text looks on a background with the XYZ color 20.2094, 9.6232, 36.8687.



This preview shows how white text looks on a background with the XYZ color 20.2094, 9.6232,

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

20.2094, 9.6232, 36.8687

Protanopia

12.0599, 10.2771, 46.6954

Deuteranopia

10.5048, 10.2758, 32.8823



Tritanopia

14.3235, 10.0624, 6.9817

Trichromacy



Original Color

20.2094, 9.6232, 36.8687

Protanomaly

10.9329, 6.7475, 42.3211

Deuteranomaly

11.1665, 7.2697, 34.0723

Tritanomaly

15.3754, 8.8088, 14.2545

Monochromacy



Original Color

20.2094, 9.6232, 36.8687

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 20.2094, 9.6232, 36.8687 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(154, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(154, 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(154, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.2094, 9.6232, 36.8687 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(154, 0, 166) }
```


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

```
.border{ border-color:rgb(154, 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(154, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(154, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2094, 9.6232, 36.8687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 0, 166) }
```

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

```
.background{ background-color: rgb(154, 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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