

Converting Colors

XYZ(20.2725, 9.9196, 24.9514)

Have a look what the booklet for
XYZ(20.2725, 9.9196, 24.9514)
contains.

XYZ(20.3133, 9.9420, 24.8931)	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(20.3133, 9.9420,
24.8931)**

Conversions

Conversions Part 1

Format	Color
Hex	A6008A
RGB	166, 0, 138
RGB Percent	65%, 0%, 54%
CMY	0.3490, 0.9999, 0.4588
CMYK	0.00, 1.00, 0.17, 0.35
HSL	310°, 100%, 33%
HSV	310°, 100%, 65%
XYZ	20.3133, 9.9420, 24.8931
YIQ	65.3660, 54.6380, 78.1100

Conversions

Conversions Part 2

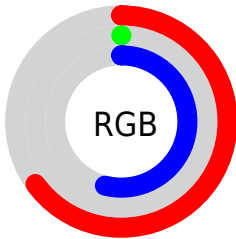
Format	Color
RYB	166, 0, 138
Decimal	10879114
CIELab	37.74, 67.31, -29.64
CIElCh	38, 73.548, 336.233
Yxy	9.9420, 0.3683, 0.1803
Android (android.graphics.Color)	4289069194 (0xFFA6008A)
YUV	65.3660, 35.8086, 88.2560
Hunter-Lab	31.5309, 59.8166, -24.7367

Details

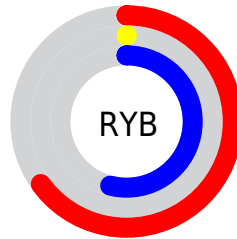
The XYZ color **20.3133, 9.9420, 24.8931** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.8464, 27.3566, 5.6507**, and the grayscale version is **5.0235, 5.2851, 5.7555**.

A 20% lighter version of the original color is **43.5082, 25.6982, 52.5363**, and **8.0681, 3.9558, 9.5708** is the 20% darker color. If you saturate the color by 10%, you get **20.3131, 9.9419, 24.8917**, and if you desaturate by 10%, it is **20.7135, 10.4135, 26.0399**.

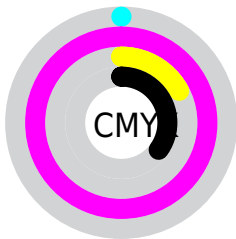
Distribution



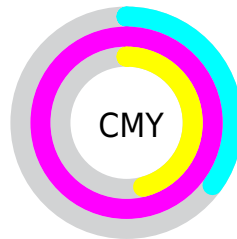
- Red (65%)
- Green (0%)
- Blue (54%)



- Red (65%)
- Yellow (0%)
- Blue (54%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3133, 9.9420, 24.8931 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 20.3133, 9.9420, 24.8931 by changing the saturation by 10% instead.


 20.3133, 9.9420,
24.8931


 20.3133, 9.9420,
24.8931


246.4075,
190.2576, 290.7358


 12.7326, 5.3605,
15.7791


 43.4418, 25.6864,
52.4457

 7.3204, 2.4603,
9.2153


 59.7202, 37.6180,
71.7214

 3.7114, 0.8567,
4.7832

 79.6287, 52.7685,
95.2215

 1.5402, 0.0000,
2.0641

 103.5324, 71.5223,
123.3644

 0.3529, 0.0000,
0.5943

 131.7968, 94.2637,
156.5688

 0.0000, 0.0000,
0.0000

 164.7872,

121.3771, 195.2531

202.8690,
153.2469, 239.8359

■ 20.3133, 9.9420,
24.8931

■ 20.3133, 9.9420,
24.8931

■ 20.3131, 9.9419,
24.8917

■ 20.7135, 10.4135,
26.0399

■ 21.2796, 11.2086,
27.2679

■ 22.0786, 12.4610,
28.5997

■ 23.1399, 14.2295,
30.0453

■ 24.4887, 16.5642,
31.6132

■ 26.1469, 19.5092,
33.3111

■ 28.1346, 23.1044,
35.1456

■ 30.4699, 27.3860,
37.1231

■ 33.1697, 32.3879,
39.2494

Harmonies

Analogous

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



15.8310, 9.9420, 47.7756



20.3133, 9.9420, 24.8931



21.5193, 9.9420, 8.2607

Triad

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



20.3133, 9.9420, 24.8931



8.5056, 9.9420, 0.0000



3.8897, 9.9420, 34.3297

Complementary

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



20.3133, 9.9420, 24.8931



13.8464, 27.3566, 5.6507

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.



3.0287, 9.9420, 13.8720



20.3133, 9.9420, 24.8931



5.0652, 9.9420, 0.4013

Square

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



20.3133, 9.9420, 24.8931



13.5614, 9.9420, 0.0000



3.3736, 9.9420, 3.4049



6.2663, 9.9420, 55.7085

Rectangle

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



20.3133, 9.9420, 24.8931



20.0419, 9.9420, 2.9608



3.3736, 9.9420, 3.4049



3.4567, 9.9420, 26.6858

Sweetspot

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



20.3137, 9.9425, 24.8933



50.8386, 41.5263, 63.5886



7.3536, 2.9962, 36.2673



11.0358, 8.6740, 13.9221



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.



20.3137, 9.9425, 24.8933



36.7980, 18.0162, 44.8167



16.4242, 8.3867, 4.4116



7.7868, 7.6446, 9.1943



15.7666, 7.7154, 19.3805



0.3976, 0.1933, 0.5450

Inverse Universe

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



20.3137, 9.9425, 24.8933



36.7980, 18.0162, 44.8167



16.4879, 28.4132, 19.5605



7.7868, 7.6446, 9.1943



15.7666, 7.7154, 19.3805



0.3976, 0.1933, 0.5450

Previews

White Background



This preview shows how the XYZ color 20.3133, 9.9420, 24.8931 looks on a white background.

Color Contrast Check

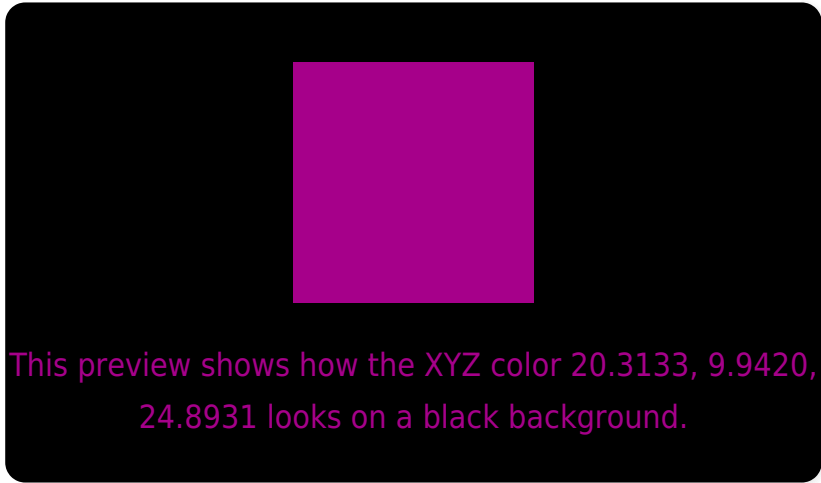
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3133, 9.9420, 24.8931

Background



This preview shows how black text looks on a background with the XYZ color 20.3133, 9.9420, 24.8931.



This preview shows how white text looks on a background with the XYZ color 20.3133, 9.9420,

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

20.3133, 9.9420, 24.8931

Protanopia

12.5668, 10.6103, 48.9626

Deuteranopia

10.8454, 10.6869, 22.2600



Tritanopia

16.3558, 10.3047, 4.9979

Trichromacy



Original Color

20.3133, 9.9420, 24.8931



Protanomaly

10.5334, 6.6913, 38.7666



Deuteranomaly

12.1083, 8.0071, 22.7371



Tritanomaly

17.1520, 9.4973, 9.7333

Monochromacy



Original Color

20.3133, 9.9420, 24.8931



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.2042, 5.1834, 10.6933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3133, 9.9420, 24.8931 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(166, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 138)  
}
```

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(166, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 138) }
```

Border

The CSS property to change the border of an element to XYZ 20.3133, 9.9420, 24.8931 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(166, 0, 138) }
```


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

```
.border{ border-color:rgb(166, 0, 138) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3133, 9.9420, 24.8931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 138) }
```

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

```
.background{ background-color: rgb(166, 0,  
138) }
```

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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