

Converting Colors

XYZ(19.7876, 9.1435, 48.6955)

Have a look what the booklet for
XYZ(19.7876, 9.1435, 48.6955)
contains.

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Color

**XYZ(19.8328, 9.1631,
48.8675)**

Conversions

Conversions Part 1

Format	Color
Hex	8B00BD
RGB	139, 0, 189
RGB Percent	55%, 0%, 74%
CMY	0.4549, 1.0000, 0.2588
CMYK	0.26, 1.00, 0.00, 0.26
HSL	284°, 100%, 37%
HSV	284°, 100%, 74%
XYZ	19.8328, 9.1631, 48.8675
YIQ	63.1070, 22.1750, 88.2470

Conversions

Conversions Part 2

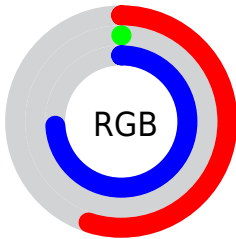
Format	Color
RYB	139, 0, 189
Decimal	9109693
CIELab	36.30, 71.15, -62.96
CIElCh	36, 95.006, 318.494
Yxy	9.1631, 0.2547, 0.1177
Android (android.graphics.Color)	4287299773 (0xFF8B00BD)
YUV	63.1070, 62.0652, 66.5582
Hunter-Lab	30.2706, 63.9766, -74.5256

Details

The XYZ color **19.8328, 9.1631, 48.8675** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.5132, 37.0735, 6.1276**, and the grayscale version is **4.6504, 4.8926, 5.3280**.

A 20% lighter version of the original color is **42.7192, 24.2516, 89.6182**, and **7.6964, 3.4706, 22.8185** is the 20% darker color. If you saturate the color by 10%, you get **19.8330, 9.1632, 48.8677**, and if you desaturate by 10%, it is **20.9186, 10.0662, 48.9848**.

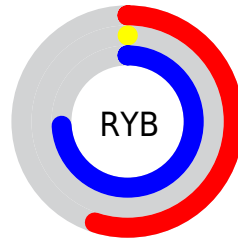
Distribution



Red (55%)

Green (0%)

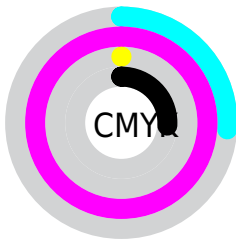
Blue (74%)



Red (55%)

Yellow (0%)

Blue (74%)

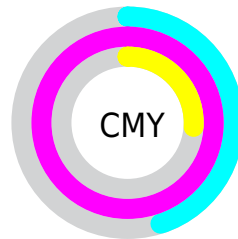


Cyan (26%)

Magenta (100%)

Yellow (0%)

Black (26%)



Cyan (45%)

Magenta (100%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8328, 9.1631, 48.8675 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 19.8328, 9.1631, 48.8675 by changing the saturation by 10% instead.

■ 19.8328, 9.1631,
48.8675

■ 19.8328, 9.1631,
48.8675

243.8594,
184.5900, 398.8279

■ 12.3811, 4.8477,
34.1495

■ 42.6428, 24.2090,
89.8736

■ 7.0778, 2.1582,
22.7302

■ 58.7318, 35.7083,
116.9988

■ 3.5576, 0.6971,
14.1910

■ 78.4306, 50.3710,
149.0968

■ 1.4550, 0.0000,
8.1134

■ 102.1046, 68.5816,
186.5861

■ 0.2949, 0.0000,
4.0788

■ 130.1191, 90.7244,
229.8854

■ 0.0000, 0.0000,
1.6686

■ 162.8395,

■ 0.0000, 0.0000,

117.1838, 279.4131

0.3391

200.6311,
148.3442, 335.5877

■ 0.0000, 0.0000,
0.0000

■ 19.8328, 9.1631,
48.8675

■ 19.8328, 9.1631,
48.8675

■ 19.8330, 9.1632,
48.8677

■ 20.9186, 10.0662,
48.9848

■ 22.2671, 11.4377,
49.1784

■ 23.9608, 13.4415,
49.4759

■ 26.0412, 16.1599,
49.8910

■ 28.5434, 19.6624,
50.4351

■ 31.4984, 24.0102,
51.1186

■ 34.9340, 29.2584,
51.9505

■ 38.8758, 35.4573,
52.9393

■ 43.3474, 42.6536,
54.0926

Harmonies

Analogous

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



12.6901, 9.1631, 79.7275



19.8328, 9.1631, 48.8675



24.5700, 9.1631, 17.6827

Triad

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



19.8328, 9.1631, 48.8675



11.0957, 9.1631, 0.0000



1.8840, 9.1631, 23.6971

Complementary

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



19.8328, 9.1631, 48.8675



19.5132, 37.0735, 6.1276

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.



1.7616, 9.1631, 4.9158



19.8328, 9.1631, 48.8675



5.6624, 9.1631, 0.0000

Square

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



19.8328, 9.1631, 48.8675



18.2350, 9.1631, 0.0000



2.7916, 9.1631, 0.0000



3.2601, 9.1631, 57.1336

Rectangle

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



19.8328, 9.1631, 48.8675



24.7713, 9.1631, 6.0062



2.7916, 9.1631, 0.0000



1.7272, 9.1631, 15.3979

Sweetspot

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



19.8333, 9.1634, 48.8677



62.2493, 51.9098, 92.9649



10.3433, 5.9900, 48.7554



12.8093, 10.2746, 19.8506



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.8333, 9.1634, 48.8677



35.2825, 16.2884, 87.5106



26.0896, 12.8603, 27.8554



9.6770, 9.5659, 12.0086



13.4193, 6.2040, 32.8831



0.5842, 0.2732, 1.2908

Inverse Universe

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



21.5622, 11.0493, 4.0142



38.5337, 19.7554, 6.7470



18.6543, 36.5780, 8.4702



9.6310, 9.5767, 10.4460



14.5350, 7.4452, 2.8450



0.5975, 0.3029, 0.2594

Previews

White Background



This preview shows how the XYZ color 19.8328, 9.1631, 48.8675 looks on a white background.

Color Contrast Check

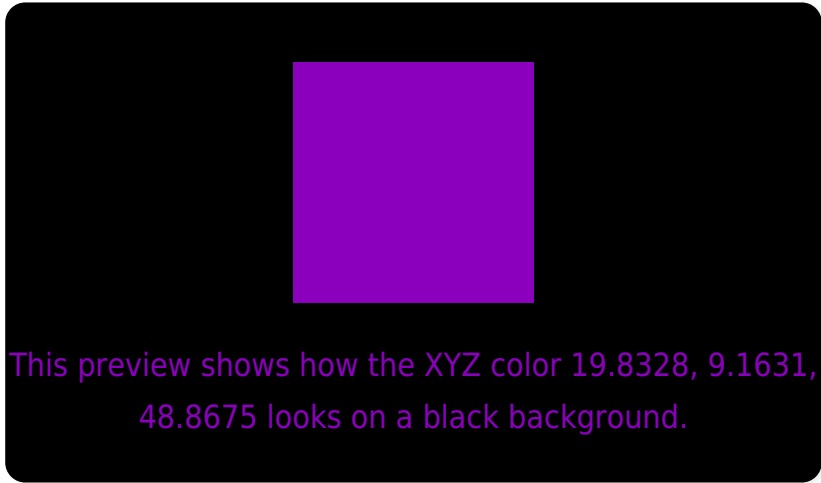
Large Text (above 18pt) WCAG AA ✓ Pass

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

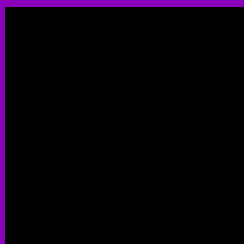
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8328, 9.1631, 48.8675

Background



This preview shows how black text looks on a background with the XYZ color 19.8328, 9.1631, 48.8675.



This preview shows how white text looks on a background with the XYZ color 19.8328, 9.1631,

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

19.8328, 9.1631, 48.8675

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.5726, 9.6789, 32.3740



Tritanopia

11.8861, 9.5996, 8.6236

Trichromacy



Original Color

19.8328, 9.1631, 48.8675



Protanomaly

11.2317, 6.7610, 45.5128



Deuteranomaly

9.8034, 6.4201, 37.2817



Tritanomaly

13.2484, 7.9541, 18.2898

Monochromacy



Original Color

19.8328, 9.1631, 48.8675



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

7.8335, 4.8459, 14.9905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8328, 9.1631, 48.8675 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(139, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(139, 0, 189)  
}
```

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(139, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 19.8328, 9.1631, 48.8675 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(139, 0, 189) }
```


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

```
.border{ border-color:rgb(139, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(139, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(139, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8328, 9.1631, 48.8675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 189) }
```

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

```
.background{ background-color: rgb(139, 0,  
189) }
```

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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