

Converting Colors

XYZ(19.2781, 9.1725, 35.4988)

Have a look what the booklet for
XYZ(19.2781, 9.1725, 35.4988)
contains.

XYZ(19.1885, 9.1284, 35.4009)	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(19.1885, 9.1284,
35.4009)**

Conversions

Conversions Part 1

Format	Color
Hex	9600A3
RGB	150, 0, 163
RGB Percent	59%, 0%, 64%
CMY	0.4118, 0.9999, 0.3608
CMYK	0.08, 1.00, 0.00, 0.36
HSL	295°, 100%, 32%
HSV	295°, 100%, 64%
XYZ	19.1885, 9.1284, 35.4009
YIQ	63.4320, 37.0770, 82.4930

Conversions

Conversions Part 2

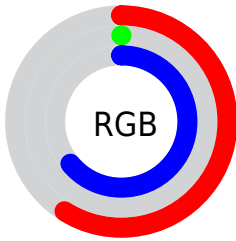
Format	Color
RYB	150, 0, 163
Decimal	9830563
CIELab	36.23, 68.19, -47.47
CIELCh	36, 83.085, 325.154
Yxy	9.1284, 0.3011, 0.1433
Android (android.graphics.Color)	4288020643 (0xFF9600A3)
YUV	63.4320, 49.0870, 75.9201
Hunter-Lab	30.2132, 60.4926, -48.3209

Details

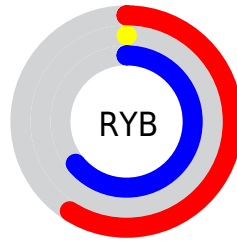
The XYZ color **19.1885, 9.1284, 35.4009** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.2635, 26.2802, 4.3740**, and the grayscale version is **4.7157, 4.9612, 5.4028**.

A 20% lighter version of the original color is **41.5946, 24.1163, 69.4805**, and **7.4306, 3.5055, 15.0368** is the 20% darker color. If you saturate the color by 10%, you get **19.1885, 9.1284, 35.4010**, and if you desaturate by 10%, it is **19.6193, 9.6325, 35.4756**.

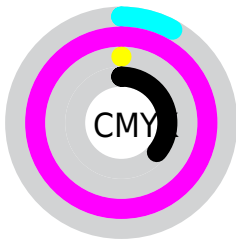
Distribution



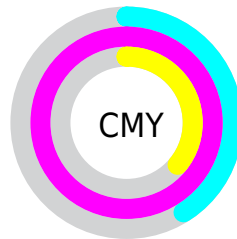
- Red (59%)
- Green (0%)
- Blue (64%)



- Red (59%)
- Yellow (0%)
- Blue (64%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)



- Cyan (41%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1885, 9.1284, 35.4009 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 19.1885, 9.1284, 35.4009 by changing the saturation by 10% instead.

■ 19.1885, 9.1284,
35.4009

■ 19.1885, 9.1284,
35.4009

240.4056,
184.3329, 341.2922

■ 11.9114, 4.8250,
23.6858

■ 41.5668, 24.1427,
69.2650

■ 6.7551, 2.1450,
14.8907

■ 57.3987, 35.6223,
92.2510

■ 3.3544, 0.6897,
8.5969

■ 76.8128, 50.2629,
119.8312

■ 1.3438, 0.0000,
4.3860

■ 100.1747, 68.4487,
152.4240

■ 0.2157, 0.0000,
1.8394

■ 127.8495, 90.5643,
190.4480

■ 0.0000, 0.0000,
0.4538

■ 160.2027,

■ 0.0000, 0.0000,

116.9939, 234.3216

0.0000

197.5996,
148.1219, 284.4635

■ 19.1885, 9.1284,
35.4009

■ 19.1885, 9.1284,
35.4009

■ 19.1885, 9.1284,
35.4010

■ 19.6193, 9.6325,
35.4756

■ 20.2058, 10.4444,
35.6014

■ 21.0133, 11.6942,
35.8001

■ 22.0698, 13.4382,
36.0810

■ 23.3992, 15.7241,
36.4522

■ 25.0228, 18.5941,
36.9206

■ 26.9593, 22.0862,
37.4926

■ 29.2264, 26.2353,
38.1739

■ 31.8400, 31.0734,
38.9700

Harmonies

Analogous

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



13.4332, 9.1284, 61.4268



19.1885, 9.1284, 35.4009



22.1991, 9.1284, 12.4493

Triad

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



19.1885, 9.1284, 35.4009



9.5134, 9.1284, 0.0000



2.5624, 9.1284, 26.8177

Complementary

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



19.1885, 9.1284, 35.4009



13.2635, 26.2802, 4.3740

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.



2.1930, 9.1284, 7.7915



19.1885, 9.1284, 35.4009



5.2003, 9.1284, 0.0000

Square

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



19.1885, 9.1284, 35.4009



15.4036, 9.1284, 0.0000



2.9394, 9.1284, 1.0507



4.2637, 9.1284, 53.9273

Rectangle

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



19.1885, 9.1284, 35.4009



21.6432, 9.1284, 4.3428



2.9394, 9.1284, 1.0507



2.3150, 9.1284, 19.0047

Sweetspot

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



19.1889, 9.1288, 35.4011



48.0703, 39.1701, 67.0831



6.7627, 2.9478, 34.8630



10.4711, 8.2085, 14.9700



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.1889, 9.1288, 35.4011



34.2857, 16.3072, 63.3967



17.1741, 8.6147, 11.6055



7.3084, 7.1733, 8.9025



14.9308, 7.1036, 27.5140



0.3290, 0.1571, 0.5788

Inverse Universe

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



15.1772, 7.8160, 1.0900



27.1508, 13.9852, 1.7938



14.1385, 26.6110, 9.8482



7.0956, 7.0947, 7.4901



11.8027, 6.0771, 0.8858



0.2545, 0.1303, 0.0526

Previews

White Background



This preview shows how the XYZ color 19.1885, 9.1284, 35.4009 looks on a white background.

Color Contrast Check

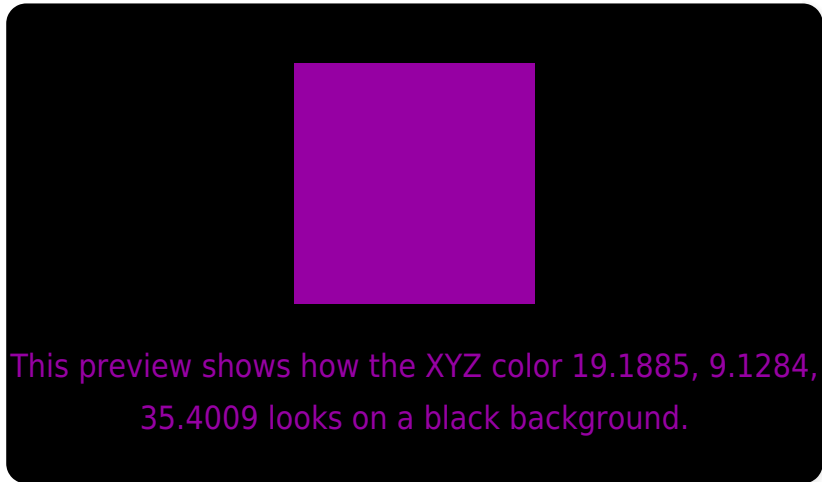
Large Text (above 18pt) WCAG AA ✓ Pass

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

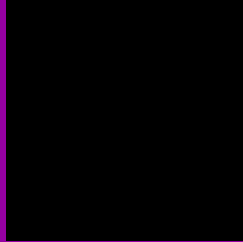
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.1885, 9.1284, 35.4009

Background



This preview shows how black text looks on a background with the XYZ color 19.1885, 9.1284, 35.4009.



This preview shows how white text looks on a background with the XYZ color 19.1885, 9.1284,

35.4009.

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

19.1885, 9.1284, 35.4009

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.9818, 9.7847, 31.4995



Tritanopia

13.5242, 9.5731, 6.6038

Trichromacy



Original Color

19.1885, 9.1284, 35.4009



Protanomaly

10.4375, 6.4677, 40.2334



Deuteranomaly

10.5294, 6.8971, 32.6746



Tritanomaly

14.5688, 8.4048, 13.6864

Monochromacy



Original Color

19.1885, 9.1284, 35.4009



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

7.7302, 4.8513, 12.3334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1885, 9.1284, 35.4009 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(150, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 163)  
}
```

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(150, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 19.1885, 9.1284, 35.4009 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(150, 0, 163) }
```


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

```
.border{ border-color:rgb(150, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(150, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(150, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1885, 9.1284, 35.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 163) }
```

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

```
.background{ background-color: rgb(150, 0,  
163) }
```

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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