

Converting Colors

XYZ(19.5228, 9.3196, 37.1044)

Have a look what the booklet for
XYZ(19.5228, 9.3196, 37.1044)
contains.

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Color

**XYZ(19.5853, 9.3392,
37.3296)**

Conversions

Conversions Part 1

Format	Color
Hex	9603A7
RGB	150, 3, 167
RGB Percent	59%, 1%, 65%
CMY	0.4118, 0.9882, 0.3451
CMYK	0.10, 0.98, 0.00, 0.35
HSL	294°, 96%, 33%
HSV	294°, 98%, 65%
XYZ	19.5853, 9.3392, 37.3296
YIQ	65.6490, 34.9680, 82.1680

Conversions

Conversions Part 2

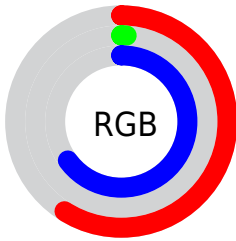
Format	Color
R_{YB}	150, 3, 167
Decimal	9831335
CIE _{Lab}	36.63, 68.47, -49.24
CIE _{LCh}	37, 84.340, 324.281
Yxy	9.3392, 0.2956, 0.1410
Android (android.graphics.Color)	4288021415 (0xFF9603A7)
YUV	65.6490, 49.9660, 73.9758
Hunter-Lab	30.5601, 60.9165, -51.0315

Details

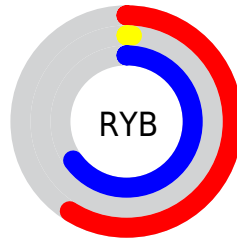
The XYZ color **19.5853, 9.3392, 37.3296** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.1240, 27.7930, 4.7067**, and the grayscale version is **5.0470, 5.3099, 5.7825**.

A 20% lighter version of the original color is **42.2004, 24.4749, 72.3120**, and **7.6534, 3.5946, 16.2100** is the 20% darker color. If you saturate the color by 10%, you get **19.4956, 9.2446, 37.3162**, and if you desaturate by 10%, it is **20.1191, 9.9299, 37.4156**.

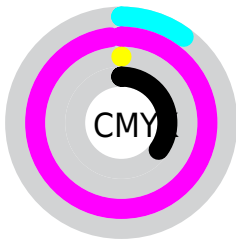
Distribution



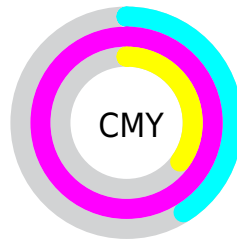
- Red (59%)
- Green (1%)
- Blue (65%)



- Red (59%)
- Yellow (1%)
- Blue (65%)



- Cyan (10%)
- Magenta (98%)
- Yellow (0%)
- Black (35%)




- Cyan (41%)
- Magenta (99%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5853, 9.3392, 37.3296 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 19.5853, 9.3392, 37.3296 by changing the saturation by 10% instead.


 19.5853, 9.3392,
37.3296


 19.5853, 9.3392,
37.3296


242.5377,
185.8885, 349.9469


 12.2005, 4.9631,
25.1650


 42.2301, 24.5450,
72.2714

 6.9535, 2.2256,
15.9799


 58.2207, 36.1434,
95.8857


 3.4791, 0.7339,
9.3557


 77.8107, 50.9180,
124.1536

 1.4119, 0.0000,
4.8740

 101.3653, 69.2533,
157.4937

 0.2647, 0.0000,
2.1161

 129.2500, 91.5336,
196.3246

 0.0000, 0.0000,
0.6253

 161.8301,

 0.0000, 0.0000,

118.1433, 241.0647

0.0000

199.4709,
149.4668, 292.1326

■ 19.5853, 9.3392,
37.3296

■ 19.5853, 9.3392,
37.3296

■ 19.4956, 9.2446,
37.3162

■ 20.1191, 9.9299,
37.4156

■ 20.8431, 10.8944,
37.5636

■ 21.8083, 12.3344,
37.7907

■ 23.0437, 14.3077,
38.1065

■ 24.5741, 16.8638,
38.5192

■ 26.4215, 20.0466,
39.0362

■ 28.6056, 23.8960,
39.6641

■ 31.1448, 28.4482,
40.4089

■ 34.0559, 33.7370,
41.2763

Harmonies

Analogous

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



13.6021, 9.3392, 64.0974



19.5853, 9.3392, 37.3296



22.8217, 9.3392, 13.2640

Triad

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



19.5853, 9.3392, 37.3296



9.9002, 9.3392, 0.0000



2.5648, 9.3392, 26.8529

Complementary

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



19.5853, 9.3392, 37.3296



14.1240, 27.7930, 4.7067

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.



2.2203, 9.3392, 7.5970



19.5853, 9.3392, 37.3296



5.3961, 9.3392, 0.0000

Square

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



19.5853, 9.3392, 37.3296



16.0020, 9.3392, 0.0000



3.0206, 9.3392, 0.9729



4.2604, 9.3392, 54.9315

Rectangle

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



19.5853, 9.3392, 37.3296



22.3433, 9.3392, 4.6554



3.0206, 9.3392, 0.9729



2.3237, 9.3392, 18.8896

Sweetspot

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



19.5857, 9.3396, 37.3298



50.6748, 41.8085, 70.8743



7.3025, 3.3888, 36.8286



10.9710, 8.7035, 15.7538



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.



19.5857, 9.3396, 37.3298



34.8124, 16.5034, 66.8259



18.4748, 9.2832, 13.9517



7.7642, 7.6265, 9.4812



14.9423, 7.0865, 28.5558



0.3847, 0.1833, 0.6958

Inverse Universe

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



16.0955, 8.3315, 1.4222



28.6904, 14.7732, 2.1223



14.8362, 28.0489, 9.7669



7.5615, 7.5545, 8.0083



12.2833, 6.3220, 1.0373



0.3083, 0.1576, 0.0749

Previews

White Background



This preview shows how the XYZ color 19.5853, 9.3392, 37.3296 looks on a white background.

Color Contrast Check

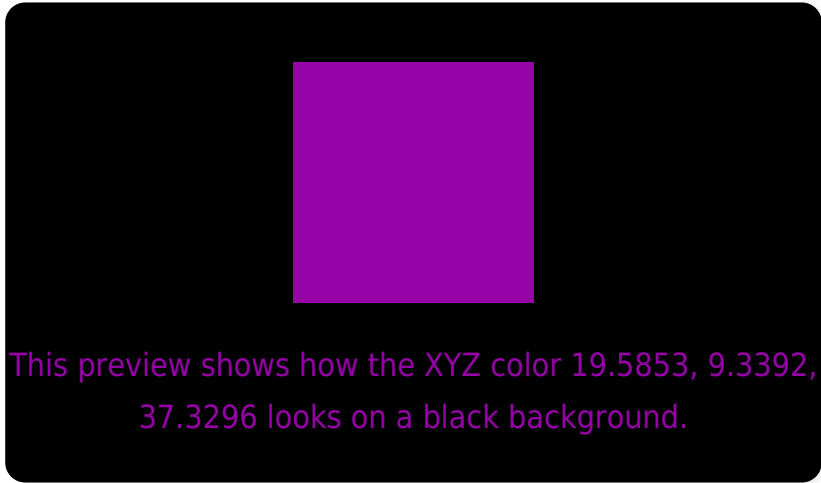
Large Text (above 18pt) WCAG AA ✓ Pass

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

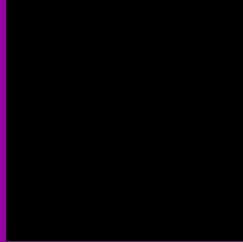
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5853, 9.3392, 37.3296

Background



This preview shows how black text looks on a background with the XYZ color 19.5853, 9.3392, 37.3296.



This preview shows how white text looks on a background with the XYZ color 19.5853, 9.3392,

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

19.5853, 9.3392, 37.3296

Protanopia

11.6683, 9.9918, 45.0297

Deuteranopia

10.1680, 9.9663, 33.2861



Tritanopia

13.5349, 9.7419, 6.9614

Trichromacy



Original Color

19.5853, 9.3392, 37.3296



Protanomaly

10.8262, 6.7752, 41.8114



Deuteranomaly

10.5446, 6.9389, 34.5018



Tritanomaly

14.5690, 8.4985, 14.2371

Monochromacy



Original Color

19.5853, 9.3392, 37.3296



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.2418, 5.2484, 13.4106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5853, 9.3392, 37.3296 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, 3, 167)` looks like.

```
.text, #text, p{  
    color:rgb(150, 3, 167)  
}
```

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, 3, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 3, 167) }
```

Border

The CSS property to change the border of an element to XYZ 19.5853, 9.3392, 37.3296 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, 3, 167) }
```


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

```
.border{ border-color:rgb(150, 3, 167) }
```

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

Here you see how a box with a 4 pixel rgb(150, 3, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 3, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 3, 167);  
box-shadow:4px 4px 4px 4px rgb(150, 3,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5853, 9.3392, 37.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 3, 167) }
```

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

```
.background{ background-color: rgb(150, 3,  
167) }
```

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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