

Converting Colors

XYZ(19.3816, 11.6203, 32.6743)

Have a look what the booklet for
XYZ(19.3816, 11.6203, 32.6743)
contains.

XYZ(19.4188, 11.6392, 32.6756)	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(19.4188, 11.6392,
32.6756)**

Conversions

Conversions Part 1

Format	Color
Hex	923B9C
RGB	146, 59, 156
RGB Percent	57%, 23%, 61%
CMY	0.4274, 0.7686, 0.3882
CMYK	0.06, 0.62, 0.00, 0.39
HSL	294°, 45%, 42%
HSV	294°, 62%, 61%
XYZ	19.4188, 11.6392, 32.6756
YIQ	96.0710, 20.7150, 48.6110

Conversions

Conversions Part 2

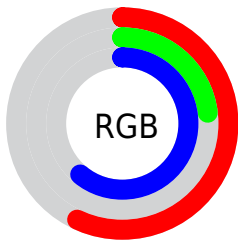
Format	Color
R_{YB}	146, 59, 156
Decimal	9583516
CIE _{Lab}	40.64, 50.36, -36.25
CIE _{LCh}	41, 62.052, 324.253
Yxy	11.6392, 0.3047, 0.1826
Android (android.graphics.Color)	4287773596 (0xFF923B9C)
YUV	96.0710, 29.5450, 43.7877
Hunter-Lab	34.1163, 41.8978, -32.9049

Details

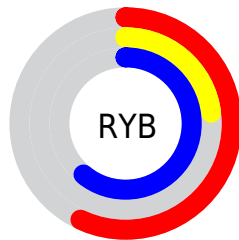
The XYZ color **19.4188, 11.6392, 32.6756** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.1324, 25.3582, 8.2352**, and the grayscale version is **11.0630, 11.6391, 12.6750**.

A 20% lighter version of the original color is **41.9092, 28.8480, 64.9874**, and **6.9123, 3.2748, 13.3645** is the 20% darker color. If you saturate the color by 10%, you get **18.4498, 10.1223, 32.4341**, and if you desaturate by 10%, it is **20.6323, 13.6384, 32.9977**.

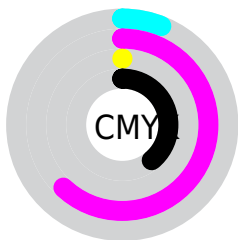
Distribution



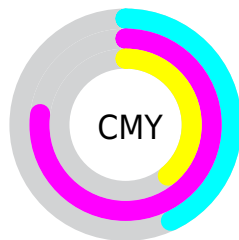
- Red (57%)
- Green (23%)
- Blue (61%)



- Red (57%)
- Yellow (23%)
- Blue (61%)



- Cyan (6%)
- Magenta (62%)
- Yellow (0%)
- Black (39%)



- Cyan (43%)
- Magenta (77%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4188, 11.6392, 32.6756 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 19.4188, 11.6392, 32.6756 by changing the saturation by 10% instead.

■ 19.4188, 11.6392,
32.6756

■ 19.4188, 11.6392,
32.6756

241.6451,
202.0018, 328.7725

■ 12.0791, 6.4985,
21.6090

■ 41.9520, 28.8363,
64.9789

■ 6.8701, 3.1505,
13.3743

■ 57.8762, 41.6614,
87.0526

■ 3.4266, 1.2108,
7.5530

■ 77.3926, 57.8168,
113.6325

■ 1.3832, 0.0705,
3.7267

■ 100.8666, 77.6869,
145.1370

■ 0.2442, 0.0000,
1.4766

■ 128.6634,
101.6561, 181.9847

■ 0.0000, 0.0000,
0.2004

■ 161.1486,

■ 0.0000, 0.0000,

130.1087, 224.5942

0.0000

198.6873,
163.4291, 273.3839

■ 19.4188, 11.6392,
32.6756

■ 19.4188, 11.6392,
32.6756

■ 18.4498, 10.1223,
32.4341

■ 20.6323, 13.6384,
32.9977

■ 17.7019, 9.0420,
32.2650

■ 22.1083, 16.1571,
33.4061

■ 17.1494, 8.3465,
32.1598

■ 23.8648, 19.2306,
33.9067

■ 16.8024, 7.9687,
32.1052

■ 25.9176, 22.8907,
34.5050

■ 28.2814, 27.1668,
35.2058

■ 30.9699, 32.0863,
36.0136

■ 33.9961, 37.6749,
36.9329

■ 37.3721, 43.9570,
37.9675

■ 41.1095, 50.9557,
39.1214

Harmonies

Analogous

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



14.9022, 11.6392, 49.9271



19.4188, 11.6392, 32.6756



21.7578, 11.6392, 15.2497

Triad

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



19.4188, 11.6392, 32.6756



11.9292, 11.6392, 0.5819



5.0162, 11.6392, 25.4127

Complementary

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



19.4188, 11.6392, 32.6756



15.1324, 25.3582, 8.2352

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.



4.6131, 11.6392, 10.4045



19.4188, 11.6392, 32.6756



7.9468, 11.6392, 0.9430

Square

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



19.4188, 11.6392, 32.6756



16.7591, 11.6392, 1.4392



5.5314, 11.6392, 3.1502



6.8300, 11.6392, 44.1322

Rectangle

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



19.4188, 11.6392, 32.6756



21.4186, 11.6392, 7.6070



5.5314, 11.6392, 3.1502



4.7354, 11.6392, 19.6003

Sweetspot

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



19.4192, 11.6397, 32.6758



48.2182, 43.6365, 63.0081



10.0148, 7.7506, 32.4208



10.3706, 9.1707, 13.7939



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.4192, 11.6397, 32.6758



32.8782, 17.4476, 58.7616



18.5934, 11.5238, 18.6399



6.8368, 6.7198, 8.3434



13.8568, 6.5725, 26.4455



0.2652, 0.1265, 0.4737

Inverse Universe

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



16.3488, 10.6259, 6.8199



27.0920, 15.6075, 6.8590



15.8122, 25.5549, 15.2104



6.6595, 6.6567, 7.0579



11.3773, 5.8555, 0.9721



0.2106, 0.1076, 0.0550

Previews

White Background



This preview shows how the XYZ color 19.4188, 11.6392, 32.6756 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 × Fail

Black Background



This preview shows how the XYZ color 19.4188, 11.6392, 32.6756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

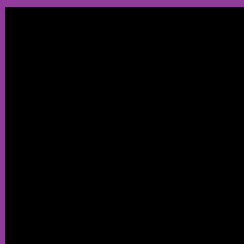
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4188, 11.6392, 32.6756

Background



This preview shows how black text looks on a background with the XYZ color 19.4188, 11.6392, 32.6756.



This preview shows how white text looks on a background with the XYZ color 19.4188, 11.6392,

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

19.4188, 11.6392, 32.6756

Protanopia

13.8990, 11.9149, 49.7114

Deuteranopia

12.1421, 11.8330, 30.4982



Tritanopia

14.8249, 11.7116, 10.0735

Trichromacy



Original Color

19.4188, 11.6392, 32.6756

Protanomaly

13.9388, 10.6370, 42.9135

Deuteranomaly

13.6905, 10.9949, 31.1064

Tritanomaly

16.0018, 11.3579, 16.3878

Monochromacy



Original Color

19.4188, 11.6392, 32.6756

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.3027, 11.0719, 18.5755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4188, 11.6392, 32.6756 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(146, 59, 156)` looks like.

```
.text, #text, p{  
    color:rgb(146, 59, 156)  
}
```

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(146, 59, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 59, 156) }
```

Border

The CSS property to change the border of an element to XYZ 19.4188, 11.6392, 32.6756 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(146, 59, 156) }
```


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

```
.border{ border-color:rgb(146, 59, 156) }
```

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

Here you see how a box with a 4 pixel rgb(146, 59, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 59, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 59, 156);  
box-shadow:4px 4px 4px 4px rgb(146, 59,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4188, 11.6392, 32.6756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 59, 156) }
```

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

```
.background{ background-color: rgb(146, 59,  
156) }
```

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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