

Converting Colors

XYZ(19.5096, 10.0349, 36.0269)

Have a look what the booklet for
XYZ(19.5096, 10.0349, 36.0269)
contains.

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Color

**XYZ(19.6118, 10.1029,
36.0384)**

Conversions

Conversions Part 1

Format	Color
Hex	9520A4
RGB	149, 32, 164
RGB Percent	58%, 13%, 64%
CMY	0.4157, 0.8745, 0.3569
CMYK	0.09, 0.80, 0.00, 0.36
HSL	293°, 67%, 38%
HSV	293°, 80%, 64%
XYZ	19.6118, 10.1029, 36.0384
YIQ	82.0310, 27.3600, 65.8560

Conversions

Conversions Part 2

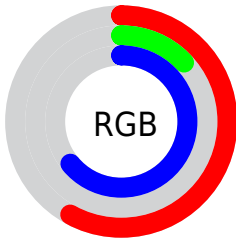
Format	Color
RYB	149, 32, 164
Decimal	9773220
CIELab	38.03, 62.59, -45.20
CIELCh	38, 77.199, 324.165
Yxy	10.1029, 0.2983, 0.1536
Android (android.graphics.Color)	4287963300 (0xFF9520A4)
YUV	82.0310, 40.4107, 58.7318
Hunter-Lab	31.7851, 54.5130, -44.9744

Details

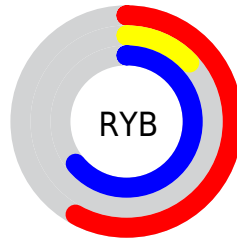
The XYZ color **19.6118, 10.1029, 36.0384** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.7088, 27.2598, 5.8533**, and the grayscale version is **7.9447, 8.3584, 9.1023**.

A 20% lighter version of the original color is **42.1990, 25.9434, 70.4936**, and **7.4853, 3.5274, 15.3253** is the 20% darker color. If you saturate the color by 10%, you get **18.9378, 9.2551, 35.9104**, and if you desaturate by 10%, it is **20.5119, 11.3939, 36.2403**.

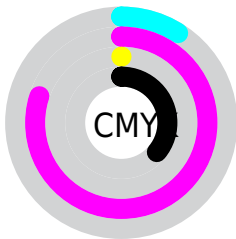
Distribution



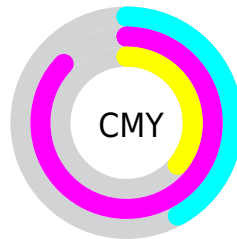
- Red (58%)
- Green (13%)
- Blue (64%)



- Red (58%)
- Yellow (13%)
- Blue (64%)



- Cyan (9%)
- Magenta (80%)
- Yellow (0%)
- Black (36%)



- Cyan (42%)
- Magenta (87%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6118, 10.1029, 36.0384 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 19.6118, 10.1029, 36.0384 by changing the saturation by 10% instead.

■ 19.6118, 10.1029,
36.0384

■ 19.6118, 10.1029,
36.0384

242.6796,
191.4049, 344.1708

■ 12.2198, 5.4672,
24.1739

■ 42.2743, 25.9889,
70.2610

■ 6.9668, 2.5239,
15.2493

■ 58.2755, 38.0080,
93.4563

■ 3.4875, 0.8886,
8.8460

■ 77.8772, 53.2570,
121.2655

■ 1.4165, 0.0000,
4.5454

■ 101.4446, 72.1203,
154.1074

■ 0.2679, 0.0000,
1.9291

■ 129.3432, 94.9824,
192.4002

■ 0.0000, 0.0000,
0.5111

■ 161.9384,

■ 0.0000, 0.0000,

122.2276, 236.5628

0.0000

199.5953,
154.2403, 287.0134

■ 19.6118, 10.1029,
36.0384

■ 19.6118, 10.1029,
36.0384

■ 18.9378, 9.2551,
35.9104

■ 20.5119, 11.3939,
36.2403

■ 18.4423, 8.7333,
35.8358

■ 21.6657, 13.1845,
36.5251

■ 23.0980, 15.5240,
36.9012

■ 24.8304, 18.4554,
37.3757

■ 26.8822, 22.0176,
37.9551

■ 29.2713, 26.2460,
38.6454

■ 32.0140, 31.1734,
39.4519

■ 35.1258, 36.8306,
40.3798

■ 38.6210, 43.2462,
41.4340

Harmonies

Analogous

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



14.0664, 10.1029, 59.5780



19.6118, 10.1029, 36.0384



22.5805, 10.1029, 14.0218

Triad

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



19.6118, 10.1029, 36.0384



10.6065, 10.1029, 0.0000



3.2591, 10.1029, 26.4246

Complementary

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



19.6118, 10.1029, 36.0384



14.7088, 27.2598, 5.8533

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.



2.8908, 10.1029, 8.4475



19.6118, 10.1029, 36.0384



6.1996, 10.1029, 0.0000

Square

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



19.6118, 10.1029, 36.0384



16.3488, 10.1029, 0.2081



3.7547, 10.1029, 1.5008



5.0264, 10.1029, 51.4075

Rectangle

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



19.6118, 10.1029, 36.0384



22.1572, 10.1029, 5.5730



3.7547, 10.1029, 1.5008



3.0004, 10.1029, 19.1425

Sweetspot

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



19.6122, 10.1033, 36.0386



51.3368, 44.4478, 69.6259



8.3294, 5.0530, 35.6585



10.9056, 9.1556, 15.1299



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.



19.6122, 10.1033, 36.0386



33.6159, 16.0281, 65.0743



18.8299, 10.1272, 16.7040



7.2847, 7.1611, 8.9014



14.1659, 6.7093, 27.4782



0.3186, 0.1518, 0.5784

Inverse Universe

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



16.3397, 9.1311, 3.5910



28.0945, 14.5597, 2.5602



15.4174, 27.4766, 12.5944



7.1050, 7.0984, 7.5393



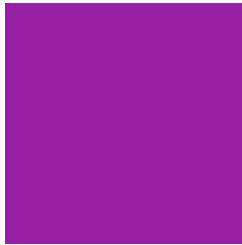
11.8363, 6.0906, 1.0624



0.2578, 0.1316, 0.0701

Previews

White Background



This preview shows how the XYZ color 19.6118, 10.1029, 36.0384 looks on a white background.

Color Contrast Check

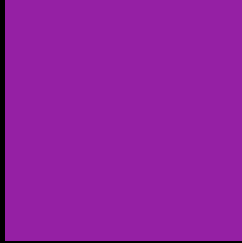
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6118, 10.1029, 36.0384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

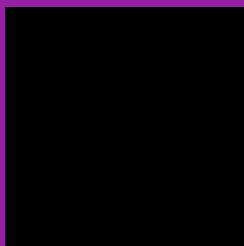
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6118, 10.1029, 36.0384

Background



This preview shows how black text looks on a background with the XYZ color 19.6118, 10.1029, 36.0384.



This preview shows how white text looks on a background with the XYZ color 19.6118, 10.1029,

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

19.6118, 10.1029, 36.0384

Protanopia

12.1652, 10.3192, 47.2496

Deuteranopia

10.6984, 10.5131, 32.4757



Tritanopia

13.8454, 10.1539, 7.7087

Trichromacy



Original Color

19.6118, 10.1029, 36.0384

Protanomaly

11.4643, 7.9729, 42.5297

Deuteranomaly

11.7551, 8.5983, 33.3878

Tritanomaly

15.2233, 9.6407, 14.9684

Monochromacy



Original Color

19.6118, 10.1029, 36.0384

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.7019, 7.9008, 16.2902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6118, 10.1029, 36.0384 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(149, 32, 164)` looks like.

```
.text, #text, p{  
    color:rgb(149, 32, 164)  
}
```

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(149, 32, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 32, 164) }
```

Border

The CSS property to change the border of an element to XYZ 19.6118, 10.1029, 36.0384 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(149, 32, 164) }
```


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

```
.border{ border-color:rgb(149, 32, 164) }
```

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

Here you see how a box with a 4 pixel rgb(149, 32, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 32, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 32, 164);  
box-shadow:4px 4px 4px 4px rgb(149, 32,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6118, 10.1029, 36.0384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 32, 164) }
```

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

```
.background{ background-color: rgb(149, 32,  
164) }
```

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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