

Converting Colors

XYZ(18.3808, 10.4809, 16.9850)

Have a look what the booklet for
XYZ(18.3808, 10.4809, 16.9850)
contains.

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Color

**XYZ(18.4351, 10.4899,
16.9727)**

Conversions

Conversions Part 1

Format	Color
Hex	A02C72
RGB	160, 44, 114
RGB Percent	63%, 17%, 45%
CMY	0.3726, 0.8274, 0.5529
CMYK	0.00, 0.72, 0.29, 0.37
HSL	324°, 57%, 40%
HSV	324°, 72%, 63%
XYZ	18.4351, 10.4899, 16.9727
YIQ	86.6640, 46.6660, 46.3620

Conversions

Conversions Part 2

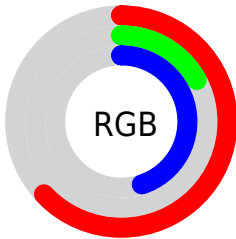
Format	Color
R_{YB}	160, 44, 114
Decimal	10497138
CIE _{Lab}	38.71, 53.62, -13.31
CIE _{LCh}	39, 55.246, 346.056
Yxy	10.4899, 0.4017, 0.2285
Android (android.graphics.Color)	4288687218 (0xFFA02C72)
YUV	86.6640, 13.4766, 64.3157
Hunter-Lab	32.3881, 44.9218, -8.3987

Details

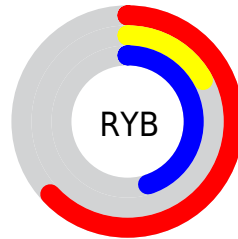
The XYZ color **18.4351, 10.4899, 16.9727** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.4556, 26.4155, 13.9587**, and the grayscale version is **8.9528, 9.4190, 10.2573**.

A 20% lighter version of the original color is **40.3535, 26.7729, 39.1172**, and **6.6923, 3.3364, 5.4455** is the 20% darker color. If you saturate the color by 10%, you get **17.6010, 9.3798, 14.9741**, and if you desaturate by 10%, it is **19.5246, 12.0706, 19.1802**.

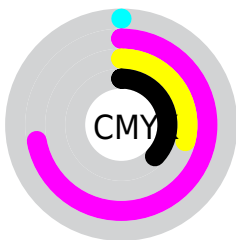
Distribution



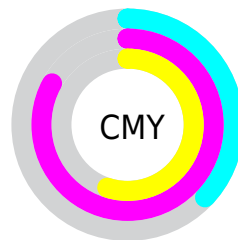
- Red (63%)
- Green (17%)
- Blue (45%)



- Red (63%)
- Yellow (17%)
- Blue (45%)



- Cyan (0%)
- Magenta (72%)
- Yellow (29%)
- Black (37%)



- Cyan (37%)
- Magenta (83%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4351, 10.4899, 16.9727 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 18.4351, 10.4899, 16.9727 by changing the saturation by 10% instead.

18.4351, 10.4899,
16.9727

18.4351, 10.4899,
16.9727

236.3106,
194.1337, 247.0536

11.3644, 5.7250,
10.0533

40.3016, 26.7130,
39.0688

6.3816, 2.6786,
5.3282

55.8282, 38.9399,
55.0826

3.1213, 0.9663,
2.3790

74.9040, 54.4229,
74.9650

1.2182, 0.0000,
0.7750

97.8946, 73.5465,
99.1344

0.1207, 0.0000,
0.0000

125.1652, 96.6949,
128.0094

0.0000, 0.0000,
0.0000

157.0811,

124.2527, 162.0086

194.0078,
156.6042, 201.5505

■ 18.4351, 10.4899,
16.9727

■ 18.4351, 10.4899,
16.9727

■ 17.6010, 9.3798,
14.9741

■ 19.5246, 12.0706,
19.1802

■ 16.9929, 8.6824,
13.1719

■ 20.8928, 14.1678,
21.6066

■ 16.6338, 8.3282,
11.9298

■ 22.5611, 16.8237,
24.2615

■ 24.5487, 20.0757,
27.1535

■ 26.8729, 23.9577,
30.2906

■ 29.5498, 28.5014,
33.6804

■ 32.5945, 33.7362,
37.3300

■ 36.0211, 39.6896,
41.2462

■ 39.8430, 46.3878,
45.4354

Harmonies

Analogous

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



15.9149, 10.4899, 31.7768



18.4351, 10.4899, 16.9727



18.3346, 10.4899, 6.7217

Triad

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



18.4351, 10.4899, 16.9727



8.1551, 10.4899, 0.9541



5.8551, 10.4899, 32.8225

Complementary

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



18.4351, 10.4899, 16.9727



15.4556, 26.4155, 13.9587

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.



4.6384, 10.4899, 17.9200



18.4351, 10.4899, 16.9727



5.7280, 10.4899, 2.3883

Square

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



18.4351, 10.4899, 16.9727



11.7562, 10.4899, 0.9172



4.5984, 10.4899, 7.2359



8.3752, 10.4899, 44.0698

Rectangle

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



18.4351, 10.4899, 16.9727



16.7764, 10.4899, 3.2136



4.5984, 10.4899, 7.2359



5.3103, 10.4899, 27.7739

Sweetspot

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



18.4354, 10.4905, 16.9729



48.8256, 43.5544, 55.0410



11.3154, 6.4378, 33.9038



10.4627, 9.1394, 11.7482



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.4354, 10.4905, 16.9729



31.2311, 16.1671, 25.1249



16.1502, 9.5764, 4.9392



6.7926, 6.7100, 7.7591



12.9796, 6.4964, 9.4097



0.2525, 0.1243, 0.2758

Inverse Universe

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



18.4354, 10.4905, 16.9729



31.2311, 16.1671, 25.1249



18.8346, 27.7671, 31.7520



6.7926, 6.7100, 7.7591



12.9796, 6.4964, 9.4097



0.2525, 0.1243, 0.2758

Previews

White Background



This preview shows how the XYZ color 18.4351, 10.4899, 16.9727 looks on a white background.

Color Contrast Check

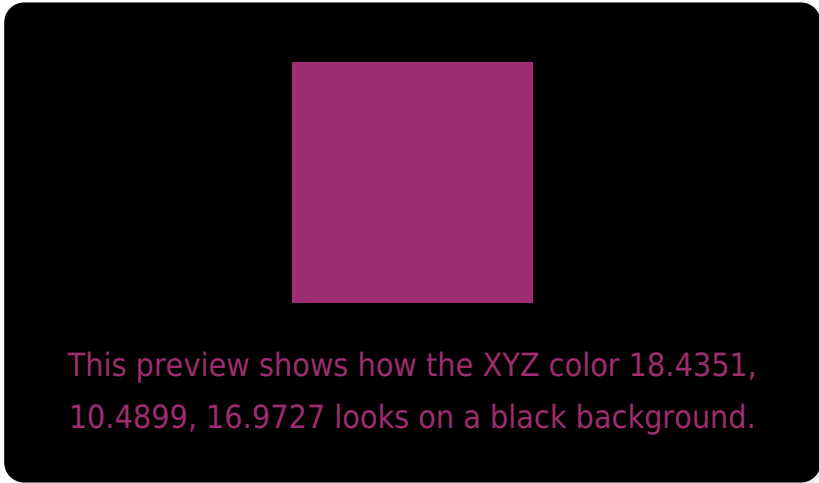
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 18.4351, 10.4899, 16.9727

Background



This preview shows how black text looks on a background with the XYZ color 18.4351, 10.4899, 16.9727.



This preview shows how white text looks on a background with the XYZ color 18.4351, 10.4899,

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

18.4351, 10.4899, 16.9727

Protanopia

11.5272, 10.7525, 29.4849

Deuteranopia

10.9790, 10.7747, 15.6884



Tritanopia

16.1438, 10.5436, 5.7417

Trichromacy



Original Color

18.4351, 10.4899, 16.9727

Protanomaly

12.4200, 9.4262, 24.4574

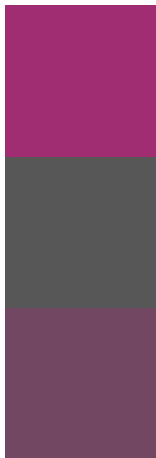
Deuteranomaly

12.6682, 9.7424, 15.9646

Tritanomaly

16.7090, 10.4005, 8.9114

Monochromacy



Original Color

18.4351, 10.4899, 16.9727

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.3503, 8.9470, 12.4380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4351, 10.4899, 16.9727 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(160, 44, 114)` looks like.

```
.text, #text, p{  
    color:rgb(160, 44, 114)  
}
```

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(160, 44, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 44, 114) }
```

Border

The CSS property to change the border of an element to XYZ 18.4351, 10.4899, 16.9727 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(160, 44, 114) }
```


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

```
.border{ border-color:rgb(160, 44, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 44, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 44, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 44, 114);  
box-shadow:4px 4px 4px 4px rgb(160, 44,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4351, 10.4899, 16.9727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 44, 114) }
```

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

```
.background{ background-color: rgb(160, 44,  
114) }
```

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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