

Converting Colors

XYZ(18.3745, 10.7374, 21.9662)

Have a look what the booklet for
XYZ(18.3745, 10.7374, 21.9662)
contains.

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Color

**XYZ(18.4727, 10.8227,
21.8842)**

Conversions

Conversions Part 1

Format	Color
Hex	9A3381
RGB	154, 51, 129
RGB Percent	60%, 20%, 51%
CMY	0.3961, 0.8000, 0.4941
CMYK	0.00, 0.67, 0.16, 0.40
HSL	315°, 50%, 40%
HSV	315°, 67%, 60%
XYZ	18.4727, 10.8227, 21.8842
YIQ	90.6890, 36.3500, 46.0940

Conversions

Conversions Part 2

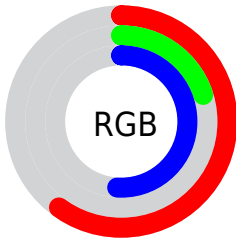
Format	Color
R_{YB}	154, 51, 129
Decimal	10105729
CIE _{Lab}	39.28, 51.35, -21.84
CIE _{LCh}	39, 55.799, 336.956
Yxy	10.8227, 0.3609, 0.2115
Android (android.graphics.Color)	4288295809 (0xFF9A3381)
YUV	90.6890, 18.8873, 55.5237
Hunter-Lab	32.8979, 42.6594, -16.4122

Details

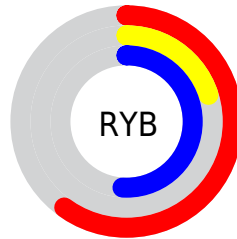
The XYZ color **18.4727, 10.8227, 21.8842** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.2259, 24.3372, 10.7864**, and the grayscale version is **9.8269, 10.3386, 11.2588**.

A 20% lighter version of the original color is **40.3590, 27.3294, 47.4039**, and **6.5569, 3.2172, 7.6725** is the 20% darker color. If you saturate the color by 10%, you get **17.6640, 9.5955, 20.4111**, and if you desaturate by 10%, it is **19.5141, 12.5003, 23.4799**.

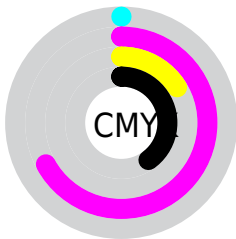
Distribution



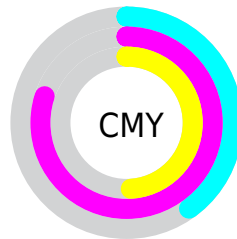
- Red (60%)
- Green (20%)
- Blue (51%)



- Red (60%)
- Yellow (20%)
- Blue (51%)



- Cyan (0%)
- Magenta (67%)
- Yellow (16%)
- Black (40%)




- Cyan (40%)
- Magenta (80%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4727, 10.8227, 21.8842 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 18.4727, 10.8227, 21.8842 by changing the saturation by 10% instead.

 18.4727, 10.8227,
21.8842


 18.4727, 10.8227,
21.8842


236.5165,
196.4471, 274.8747


 11.3916, 5.9477,
13.5743


 40.3650, 27.3318,
47.4543


 6.4001, 2.8133,
7.6899


 55.9069, 39.7348,
65.5515

 3.1328, 1.0351,
3.8122

 74.9998, 55.4159,
87.7484

 1.2244, 0.0000,
1.5229

 98.0090, 74.7595,
114.4633

 0.1255, 0.0000,
0.2349

 125.2999, 98.1501,
146.1148

 0.0000, 0.0000,
0.0000

 157.2379,

125.9719, 183.1216

194.1883,
158.6094, 225.9020

■ 18.4727, 10.8227,
21.8842

■ 18.4727, 10.8227,
21.8842

■ 17.6640, 9.5955,
20.4111

■ 19.5141, 12.5003,
23.4799

■ 17.0637, 8.7710,
19.0517

■ 20.8071, 14.6666,
25.2048

■ 16.6360, 8.2773,
17.7938

■ 22.3697, 17.3574,
27.0653

■ 16.5150, 8.1455,
17.4143

■ 24.2182, 20.6048,
29.0673

■ 26.3673, 24.4384,
31.2162

■ 28.8309, 28.8855,
33.5170

■ 31.6218, 33.9720,
35.9745

■ 34.7522, 39.7219,
38.5932

■ 38.2338, 46.1583,
41.3773

Harmonies

Analogous

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



15.2717, 10.8227, 37.2670



18.4727, 10.8227, 21.8842



19.2570, 10.8227, 9.4512

Triad

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



18.4727, 10.8227, 21.8842



9.4361, 10.8227, 0.8624



5.5250, 10.8227, 29.1203

Complementary

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



18.4727, 10.8227, 21.8842



14.2259, 24.3372, 10.7864

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.



4.6514, 10.8227, 14.4724



18.4727, 10.8227, 21.8842



6.5249, 10.8227, 1.7760

Square

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



18.4727, 10.8227, 21.8842



13.3828, 10.8227, 1.1565



4.9667, 10.8227, 5.3973



7.7092, 10.8227, 42.9322

Rectangle

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



18.4727, 10.8227, 21.8842



18.1664, 10.8227, 4.6717



4.9667, 10.8227, 5.3973



5.0961, 10.8227, 23.8761

Sweetspot

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



18.4731, 10.8232, 21.8844



46.4593, 41.8168, 55.3006



9.9215, 6.1987, 31.2456



10.2839, 9.0512, 12.2853



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.



18.4731, 10.8232, 21.8844



31.5282, 16.6376, 35.8866



15.9027, 9.7951, 8.3491



6.3971, 6.2980, 7.4712



13.4697, 6.6421, 14.2642



0.2152, 0.1048, 0.2861

Inverse Universe

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



18.4731, 10.8232, 21.8844



31.5282, 16.6376, 35.8866



16.7218, 25.3355, 23.9292



6.3971, 6.2980, 7.4712



13.4697, 6.6421, 14.2642



0.2152, 0.1048, 0.2861

Previews

White Background



This preview shows how the XYZ color 18.4727, 10.8227, 21.8842 looks on a white background.

Color Contrast Check

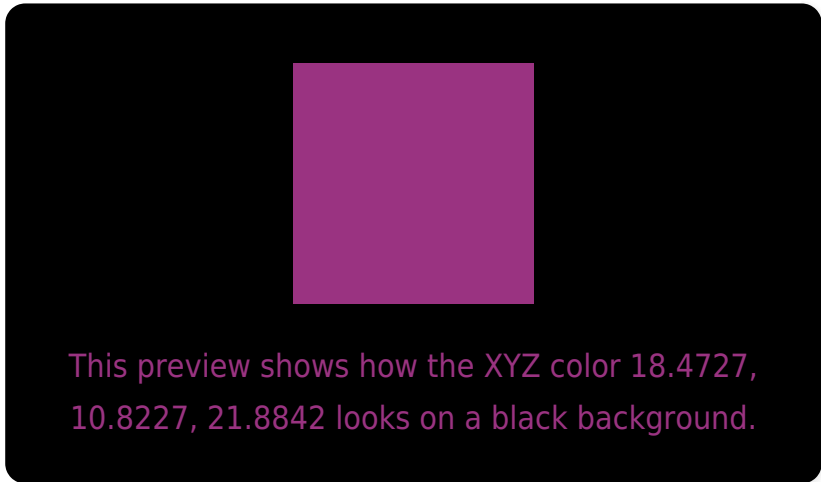
Large Text (above 18pt) WCAG AA ✓ Pass

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

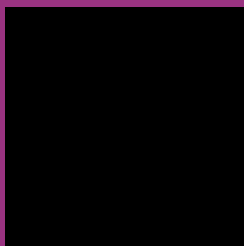
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4727, 10.8227, 21.8842

Background



This preview shows how black text looks on a background with the XYZ color 18.4727, 10.8227, 21.8842.



This preview shows how white text looks on a background with the XYZ color 18.4727, 10.8227,

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

18.4727, 10.8227, 21.8842

Protanopia

12.2493, 11.1149, 35.6822

Deuteranopia

11.2400, 11.0628, 20.2818



Tritanopia

15.5713, 10.8718, 7.4087

Trichromacy



Original Color

18.4727, 10.8227, 21.8842

Protanomaly

12.8088, 9.8038, 30.0714

Deuteranomaly

12.9111, 10.1679, 20.6842

Tritanomaly

16.4070, 10.7071, 11.5579

Monochromacy



Original Color

18.4727, 10.8227, 21.8842

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.0737, 9.7662, 14.6133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4727, 10.8227, 21.8842 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(154, 51, 129)` looks like.

```
.text, #text, p{  
    color:rgb(154, 51, 129)  
}
```

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(154, 51, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 51, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.4727, 10.8227, 21.8842 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(154, 51, 129) }
```


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

```
.border{ border-color:rgb(154, 51, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 51, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 51, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 51, 129);  
box-shadow:4px 4px 4px 4px rgb(154, 51,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4727, 10.8227, 21.8842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 51, 129) }
```

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

```
.background{ background-color: rgb(154, 51,  
129) }
```

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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