

Converting Colors

XYZ(18.2297, 10.2873, 18.0946)

Have a look what the booklet for
XYZ(18.2297, 10.2873, 18.0946)
contains.

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Color

**XYZ(18.2344, 10.3049,
18.1675)**

Conversions

Conversions Part 1

Format	Color
Hex	9E2B76
RGB	158, 43, 118
RGB Percent	62%, 17%, 46%
CMY	0.3804, 0.8313, 0.5373
CMYK	0.00, 0.73, 0.25, 0.38
HSL	321°, 57%, 39%
HSV	321°, 73%, 62%
XYZ	18.2344, 10.3049, 18.1675
YIQ	85.9350, 44.4650, 47.7050

Conversions

Conversions Part 2

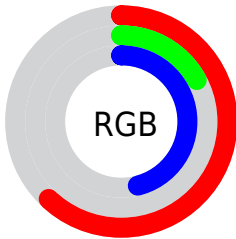
Format	Color
R_{YB}	158, 43, 118
Decimal	10365814
CIE _{Lab}	38.38, 53.96, -16.34
CIE _{LCh}	38, 56.378, 343.153
Yxy	10.3049, 0.3904, 0.2206
Android (android.graphics.Color)	4288555894 (0xFF9E2B76)
YUV	85.9350, 15.8080, 63.2010
Hunter-Lab	32.1012, 45.2158, -11.0839

Details

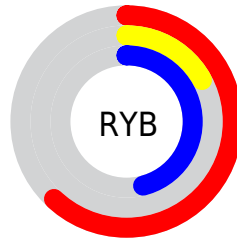
The XYZ color **18.2344, 10.3049, 18.1675** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.7851, 25.5921, 12.3457**, and the grayscale version is **8.7933, 9.2512, 10.0746**.

A 20% lighter version of the original color is **40.0364, 26.4249, 41.0206**, and **6.5850, 3.2670, 6.0779** is the 20% darker color. If you saturate the color by 10%, you get **17.4500, 9.2436, 16.3413**, and if you desaturate by 10%, it is **19.2609, 11.8198, 20.1685**.

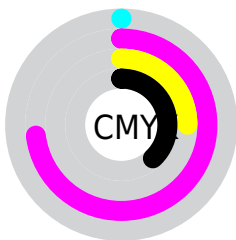
Distribution



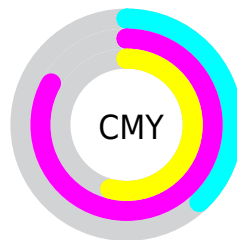
- Red (62%)
- Green (17%)
- Blue (46%)



- Red (62%)
- Yellow (17%)
- Blue (46%)



- Cyan (0%)
- Magenta (73%)
- Yellow (25%)
- Black (38%)



- Cyan (38%)
- Magenta (83%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2344, 10.3049, 18.1675 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 18.2344, 10.3049, 18.1675 by changing the saturation by 10% instead.

■ 18.2344, 10.3049,
18.1675

■ 18.2344, 10.3049,
18.1675

235.2091,
192.8346, 254.0812

■ 11.2191, 5.6016,
10.8996

■ 39.9633, 26.3674,
41.1403

■ 6.2828, 2.6044,
5.8861

■ 55.4076, 38.4954,
57.6823

■ 3.0601, 0.9289,
2.7083

■ 74.3923, 53.8671,
78.1528

■ 1.1856, 0.0000,
0.9476

■ 97.2827, 72.8669,
102.9703

■ 0.0950, 0.0000,
0.0000

■ 124.4443, 95.8791,
132.5534

■ 0.0000, 0.0000,
0.0000

■ 156.2423,

123.2882, 167.3205

193.0421,
155.4785, 207.6903

■ 18.2344, 10.3049,
18.1675

■ 18.2344, 10.3049,
18.1675

■ 17.4500, 9.2436,
16.3413

■ 19.2609, 11.8198,
20.1685

■ 16.8792, 8.5796,
14.6786

■ 20.5520, 13.8330,
22.3530

■ 16.5507, 8.2492,
13.5624

■ 22.1284, 16.3853,
24.7296

■ 24.0085, 19.5130,
27.3058

■ 26.2090, 23.2493,
30.0888

■ 28.7454, 27.6246,
33.0850

■ 31.6323, 32.6674,
36.3007

■ 34.8833, 38.4045,
39.7418

■ 38.5111, 44.8613,
43.4139

Harmonies

Analogous

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



15.4665, 10.3049, 33.4088



18.2344, 10.3049, 18.1675



18.4134, 10.3049, 7.2163

Triad

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



18.2344, 10.3049, 18.1675



8.2728, 10.3049, 0.7887



5.4906, 10.3049, 31.5354

Complementary

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



18.2344, 10.3049, 18.1675



14.7851, 25.5921, 12.3457

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.



4.3988, 10.3049, 16.4845



18.2344, 10.3049, 18.1675



5.7126, 10.3049, 1.9848

Square

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



18.2344, 10.3049, 18.1675



11.9887, 10.3049, 0.8544



4.4683, 10.3049, 6.3174



7.8858, 10.3049, 43.8757

Rectangle

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



18.2344, 10.3049, 18.1675



16.9823, 10.3049, 3.3926



4.4683, 10.3049, 6.3174



4.9893, 10.3049, 26.3268

Sweetspot

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



18.2347, 10.3054, 18.1677



47.7463, 42.4788, 54.8251



10.4581, 5.9613, 32.9471



10.5225, 9.1633, 12.0631



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.



18.2347, 10.3054, 18.1677



31.0324, 15.9927, 27.8538



15.8390, 9.3471, 5.5518



6.8061, 6.7153, 7.8298



13.2745, 6.6144, 10.9626



0.2566, 0.1260, 0.2973

Inverse Universe

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



18.2347, 10.3054, 18.1677



31.0324, 15.9927, 27.8538



17.8716, 26.8267, 28.5989



6.8061, 6.7153, 7.8298



13.2745, 6.6144, 10.9626



0.2566, 0.1260, 0.2973

Previews

White Background



This preview shows how the XYZ color 18.2344, 10.3049, 18.1675 looks on a white background.

Color Contrast Check

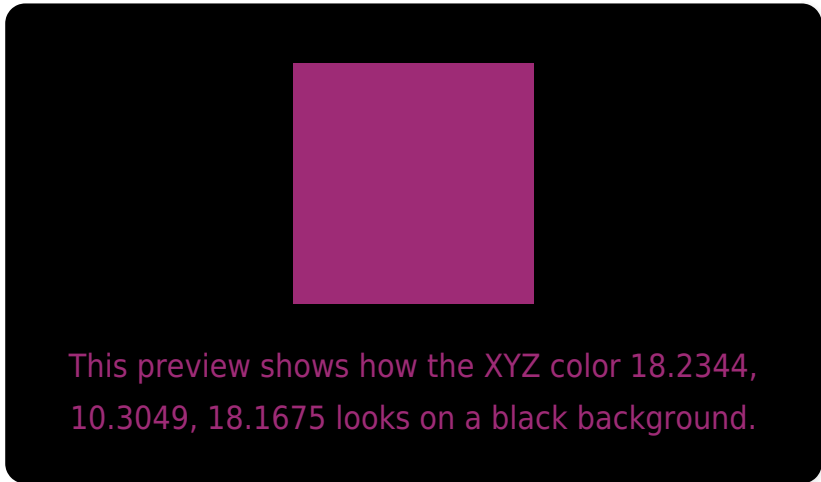
Large Text (above 18pt) WCAG AA ✓ Pass

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

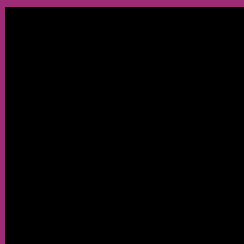
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2344, 10.3049, 18.1675

Background



This preview shows how black text looks on a background with the XYZ color 18.2344, 10.3049, 18.1675.



This preview shows how white text looks on a background with the XYZ color 18.2344, 10.3049,

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

18.2344, 10.3049, 18.1675

Protanopia

11.5021, 10.5685, 31.5707

Deuteranopia

10.7135, 10.4883, 16.7890



Tritanopia

15.5980, 10.2591, 5.8607

Trichromacy



Original Color

18.2344, 10.3049, 18.1675

Protanomaly

12.1966, 9.1808, 25.9402

Deuteranomaly

12.4249, 9.4945, 17.0973

Tritanomaly

16.3520, 10.1393, 9.2788

Monochromacy



Original Color

18.2344, 10.3049, 18.1675

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.0769, 8.7069, 12.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2344, 10.3049, 18.1675 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(158, 43, 118)` looks like.

```
.text, #text, p{  
    color:rgb(158, 43, 118)  
}
```

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(158, 43, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 43, 118) }
```

Border

The CSS property to change the border of an element to XYZ 18.2344, 10.3049, 18.1675 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(158, 43, 118) }
```


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

```
.border{ border-color:rgb(158, 43, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 43, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 43, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 43, 118);  
box-shadow:4px 4px 4px 4px rgb(158, 43,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2344, 10.3049, 18.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 43, 118) }
```

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

```
.background{ background-color: rgb(158, 43,  
118) }
```

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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