

Converting Colors

XYZ(18.6127, 10.4932, 16.2176)

Have a look what the booklet for
XYZ(18.6127, 10.4932, 16.2176)
contains.

XYZ(18.5975, 10.4850, 16.0825)	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(18.5975, 10.4850,
16.0825)**

Conversions

Conversions Part 1

Format	Color
Hex	A22A6F
RGB	162, 42, 111
RGB Percent	64%, 16%, 44%
CMY	0.3647, 0.8353, 0.5647
CMYK	0.00, 0.74, 0.31, 0.36
HSL	326°, 59%, 40%
HSV	326°, 74%, 64%
XYZ	18.5975, 10.4850, 16.0825
YIQ	85.7460, 49.3710, 46.8990

Conversions

Conversions Part 2

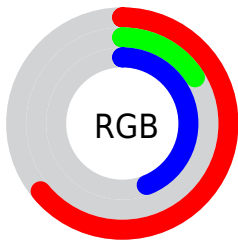
Format	Color
R_{YB}	162, 42, 111
Decimal	10627695
CIE _{Lab}	38.70, 54.50, -11.41
CIE _{LCh}	39, 55.684, 348.174
Yxy	10.4850, 0.4118, 0.2321
Android (android.graphics.Color)	4288817775 (0xFFA22A6F)
YUV	85.7460, 12.4502, 66.8748
Hunter-Lab	32.3805, 45.8540, -6.7813

Details

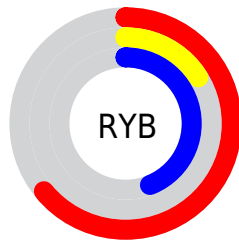
The XYZ color **18.5975, 10.4850, 16.0825** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.8516, 27.1236, 14.7576**, and the grayscale version is **8.7594, 9.2156, 10.0358**.

A 20% lighter version of the original color is **40.4937, 26.5954, 37.6495**, and **6.8411, 3.4231, 5.0028** is the 20% darker color. If you saturate the color by 10%, you get **17.7700, 9.4135, 14.0077**, and if you desaturate by 10%, it is **19.6871, 12.0338, 18.3890**.

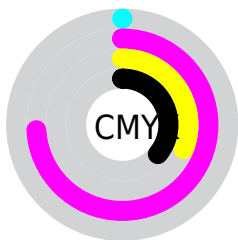
Distribution



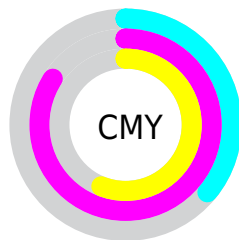
- Red (64%)
- Green (16%)
- Blue (44%)



- Red (64%)
- Yellow (16%)
- Blue (44%)



- Cyan (0%)
- Magenta (74%)
- Yellow (31%)
- Black (36%)



- Cyan (36%)
- Magenta (84%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5975, 10.4850, 16.0825 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 18.5975, 10.4850, 16.0825 by changing the saturation by 10% instead.

18.5975, 10.4850,
16.0825

18.5975, 10.4850,
16.0825

237.1986,
194.0994, 241.6903

11.4821, 5.7217,
9.4276

40.5750, 26.7038,
37.5102

6.4617, 2.6766,
4.9205

56.1678, 38.9281,
53.1199

3.1711, 0.9653,
2.1428

75.3171, 54.4082,
72.5518

1.2449, 0.0000,
0.6411

98.3883, 73.5285,
96.2242

0.1414, 0.0000,
0.0000

125.7466, 96.6734,
124.5557

0.0000, 0.0000,
0.0000

157.7576,

124.2272, 157.9649

194.7865,
156.5744, 196.8702

■ 18.5975, 10.4850,
16.0825

■ 18.5975, 10.4850,
16.0825

■ 17.7700, 9.4135,
14.0077

■ 19.6871, 12.0338,
18.3890

■ 17.1730, 8.7573,
12.1506

■ 21.0635, 14.1084,
20.9385

■ 16.8826, 8.4743,
11.1358

■ 22.7493, 16.7532,
23.7414

■ 24.7648, 20.0074,
26.8075

■ 27.1281, 23.9067,
30.1458

■ 29.8562, 28.4841,
33.7646

■ 32.9648, 33.7701,
37.6720

■ 36.4689, 39.7935,
41.8754

■ 40.3823, 46.5816,
46.3822

Harmonies

Analogous

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



16.2077, 10.4850, 30.9089



18.5975, 10.4850, 16.0825



18.2924, 10.4850, 6.1993

Triad

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



18.5975, 10.4850, 16.0825



7.9216, 10.4850, 0.9660



5.9596, 10.4850, 34.0878

Complementary

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



18.5975, 10.4850, 16.0825



15.8516, 27.1236, 14.7576

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.



4.6497, 10.4850, 18.9566



18.5975, 10.4850, 16.0825



5.5757, 10.4850, 2.5438

Square

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



18.5975, 10.4850, 16.0825



11.4840, 10.4850, 0.8544



4.5291, 10.4850, 7.7533



8.5875, 10.4850, 44.8513

Rectangle

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



18.5975, 10.4850, 16.0825



16.6110, 10.4850, 2.9242



4.5291, 10.4850, 7.7533



5.3816, 10.4850, 29.0304

Sweetspot

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



18.5978, 10.4856, 16.0827



50.0203, 44.6863, 55.7766



11.7639, 6.5406, 34.8250



10.9674, 9.5917, 12.1630



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.



18.5978, 10.4856, 16.0827



31.4993, 16.2238, 23.1538



16.3485, 9.5859, 4.2382



7.2364, 7.1510, 8.2314



13.3224, 6.6850, 8.8882



0.3029, 0.1496, 0.3076

Inverse Universe

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



18.5978, 10.4856, 16.0827



31.4993, 16.2238, 23.1538



19.5431, 28.6002, 34.1965



7.2364, 7.1510, 8.2314



13.3224, 6.6850, 8.8882



0.3029, 0.1496, 0.3076

Previews

White Background



This preview shows how the XYZ color 18.5975, 10.4850, 16.0825 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

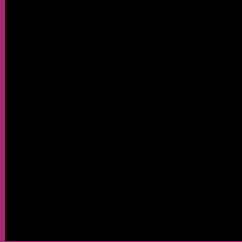
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5975, 10.4850, 16.0825

Background



This preview shows how black text looks on a background with the XYZ color 18.5975, 10.4850, 16.0825.



This preview shows how white text looks on a background with the XYZ color 18.5975, 10.4850,

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

18.5975, 10.4850, 16.0825

Protanopia

11.4395, 10.7344, 28.2571

Deuteranopia

10.9253, 10.7651, 14.8667



Tritanopia

16.3793, 10.5216, 5.4426

Trichromacy



Original Color

18.5975, 10.4850, 16.0825

Protanomaly

12.4419, 9.4618, 23.3609

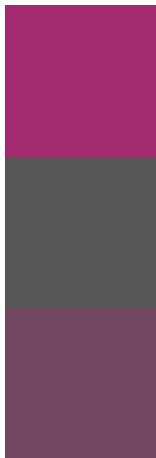
Deuteranomaly

12.6441, 9.7486, 15.1252

Tritanomaly

16.9373, 10.3914, 8.5102

Monochromacy



Original Color

18.5975, 10.4850, 16.0825

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.1951, 8.7839, 11.9319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5975, 10.4850, 16.0825 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(162, 42, 111)` looks like.

```
.text, #text, p{  
    color:rgb(162, 42, 111)  
}
```

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(162, 42, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 42, 111) }
```

Border

The CSS property to change the border of an element to XYZ 18.5975, 10.4850, 16.0825 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(162, 42, 111) }
```


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

```
.border{ border-color:rgb(162, 42, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 42, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 42, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 42, 111);  
box-shadow:4px 4px 4px 4px rgb(162, 42,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5975, 10.4850, 16.0825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 42, 111) }
```

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

```
.background{ background-color: rgb(162, 42,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor