

Converting Colors

XYZ(18.0750, 8.8038, 24.0796)

Have a look what the booklet for
XYZ(18.0750, 8.8038, 24.0796)
contains.

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Color

**XYZ(18.1542, 8.8455,
24.0431)**

Conversions

Conversions Part 1	
Format	Color
Hex	9C0088
RGB	156, 0, 136
RGB Percent	61%, 0%, 53%
CMY	0.3882, 0.9999, 0.4667
CMYK	0.00, 1.00, 0.13, 0.39
HSL	308°, 100%, 31%
HSV	308°, 100%, 61%
XYZ	18.1542, 8.8455, 24.0431
YIQ	62.1480, 49.3200, 75.3680

Conversions

Conversions Part 2

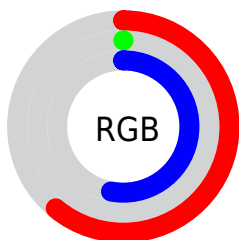
Format	Color
RYB	156, 0, 136
Decimal	10223752
CIELab	35.69, 65.17, -31.77
CIELCh	36, 72.502, 334.008
Yxy	8.8455, 0.3557, 0.1733
Android (android.graphics.Color)	4288413832 (0xFF9C0088)
YUV	62.1480, 36.4090, 82.3082
Hunter-Lab	29.7414, 56.9093, -27.1114

Details

The XYZ color **18.1542, 8.8455, 24.0431** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.0152, 23.8277, 4.6287**, and the grayscale version is **4.5457, 4.7825, 5.2081**.

A 20% lighter version of the original color is **39.8218, 23.6058, 51.1727**, and **6.9352, 3.3812, 9.0912** is the 20% darker color. If you saturate the color by 10%, you get **18.1542, 8.8455, 24.0423**, and if you desaturate by 10%, it is **18.4775, 9.2623, 24.8589**.

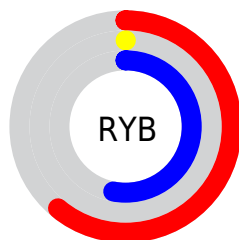
Distribution



Red (61%)

Green (0%)

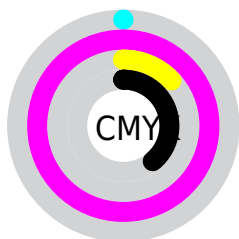
Blue (53%)



Red (61%)

Yellow (0%)

Blue (53%)

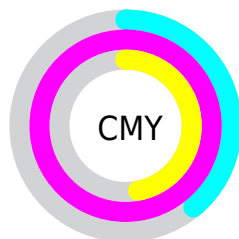


Cyan (0%)

Magenta (100%)

Yellow (13%)

Black (39%)



Cyan (39%)


Magenta (100%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1542, 8.8455, 24.0431 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 18.1542, 8.8455, 24.0431 by changing the saturation by 10% instead.


 18.1542, 8.8455,
24.0431


 18.1542, 8.8455,
24.0431


234.7676,
182.2211, 286.3319


 11.1611, 4.6405,
15.1531


 39.8279, 23.6000,
51.0452


 6.2434, 2.0379,
8.7791


 55.2393, 34.9184,
69.9945


 3.0357, 0.6294,
4.5025


 74.1874, 49.3767,
93.1338

 1.1727, 0.0000,
1.9049

 97.0377, 67.3594,
120.8819

 0.0846, 0.0000,
0.4958

 124.1555, 89.2507,
153.6572

 0.0000, 0.0000,
0.0000

 155.9062,

115.4352, 191.8783

192.6551,
146.2972, 235.9636

■ 18.1542, 8.8455,
24.0431

■ 18.1542, 8.8455,
24.0431

■ 18.1542, 8.8455,
24.0423

■ 18.4775, 9.2623,
24.8589

■ 18.9398, 9.9529,
25.7341

■ 19.6022, 11.0396,
26.6893

■ 20.4900, 12.5726,
27.7329

■ 21.6245, 14.5948,
28.8721

■ 23.0247, 17.1440,
30.1133

■ 24.7076, 20.2541,
31.4622

■ 26.6888, 23.9565,
32.9242

■ 28.9828, 28.2800,
34.5040

Harmonies

Analogous

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



13.8848, 8.8455, 45.2157



18.1542, 8.8455, 24.0431



19.5415, 8.8455, 8.0796

Triad

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



18.1542, 8.8455, 24.0431



7.8465, 8.8455, 0.0000



3.2736, 8.8455, 29.6704

Complementary

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



18.1542, 8.8455, 24.0431



12.0152, 23.8277, 4.6287

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.



2.5898, 8.8455, 11.3698



18.1542, 8.8455, 24.0431



4.6013, 8.8455, 0.0997

Square

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



18.1542, 8.8455, 24.0431



12.5420, 8.8455, 0.0000



2.9771, 8.8455, 2.5658



5.2988, 8.8455, 49.9813

Rectangle

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



18.1542, 8.8455, 24.0431



18.3555, 8.8455, 2.8834



2.9771, 8.8455, 2.5658



2.9174, 8.8455, 22.7115

Sweetspot

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



18.1545, 8.8459, 24.0433



44.6755, 36.4148, 56.9900



6.2545, 2.5314, 31.6116



9.5572, 7.5061, 12.3258



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.



18.1545, 8.8459, 24.0433



32.9220, 16.0454, 43.3988



14.5212, 7.3926, 4.9105



6.8675, 6.7399, 8.1536



14.9623, 7.2895, 19.8501



0.2768, 0.1340, 0.4036

Inverse Universe

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



18.1545, 8.8459, 24.0433



32.9220, 16.0454, 43.3988



14.0096, 24.6255, 15.1313



6.8675, 6.7399, 8.1536



14.9623, 7.2895, 19.8501



0.2768, 0.1340, 0.4036

Previews

White Background



This preview shows how the XYZ color 18.1542, 8.8455, 24.0431 looks on a white background.

Color Contrast Check

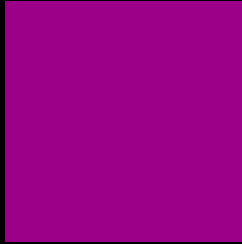
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 18.1542, 8.8455, 24.0431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

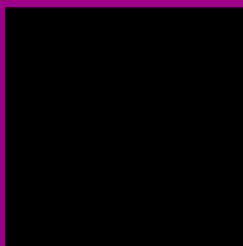
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1542, 8.8455, 24.0431

Background



This preview shows how black text looks on a background with the XYZ color 18.1542, 8.8455, 24.0431.



This preview shows how white text looks on a background with the XYZ color 18.1542, 8.8455,

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

18.1542, 8.8455, 24.0431

Protanopia

11.2062, 9.5550, 43.3731

Deuteranopia

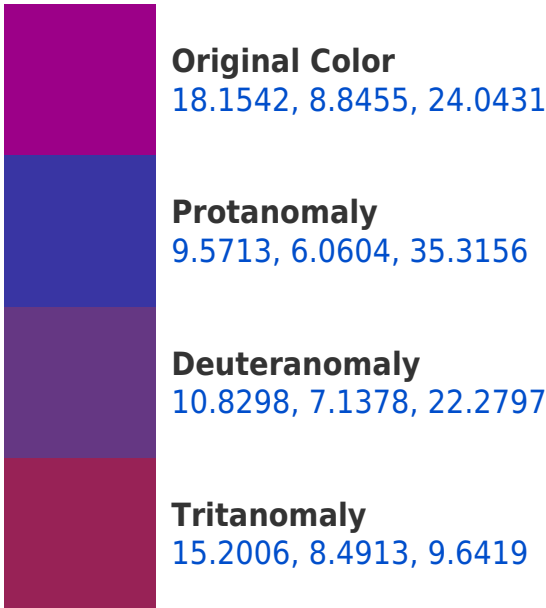
9.6783, 9.4793, 21.7417



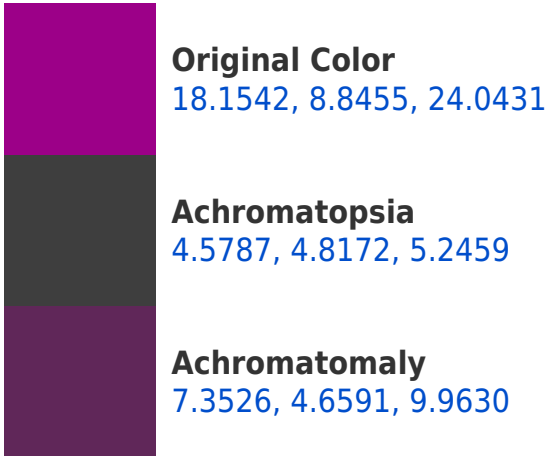
Tritanopia

14.4521, 9.3233, 4.9088

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1542, 8.8455, 24.0431 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(156, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 136)  
}
```

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(156, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 136) }
```

Border

The CSS property to change the border of an element to XYZ 18.1542, 8.8455, 24.0431 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(156, 0, 136) }
```


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

```
.border{ border-color:rgb(156, 0, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 0, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1542, 8.8455, 24.0431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 136) }
```

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

```
.background{ background-color: rgb(156, 0,  
136) }
```

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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