

Converting Colors

XYZ(18.5033, 11.1613, 21.9837)

Have a look what the booklet for
XYZ(18.5033, 11.1613, 21.9837)
contains.

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Color

**XYZ(18.5135, 11.1856,
21.9522)**

Conversions

Conversions Part 1

Format	Color
Hex	993881
RGB	153, 56, 129
RGB Percent	60%, 22%, 51%
CMY	0.4000, 0.7804, 0.4941
CMYK	0.00, 0.63, 0.16, 0.40
HSL	315°, 46%, 41%
HSV	315°, 63%, 60%
XYZ	18.5135, 11.1856, 21.9522
YIQ	93.3250, 34.3790, 43.2670

Conversions

Conversions Part 2

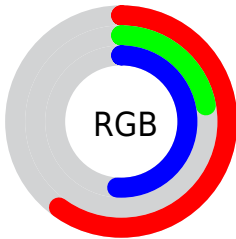
Format	Color
R_{YB}	153, 56, 129
Decimal	10041473
CIE _{Lab}	39.89, 48.93, -20.91
CIE _{LCh}	40, 53.207, 336.859
Yxy	11.1856, 0.3584, 0.2166
Android (android.graphics.Color)	4288231553 (0xFF993881)
YUV	93.3250, 17.5878, 52.3350
Hunter-Lab	33.4449, 40.2806, -15.5047

Details

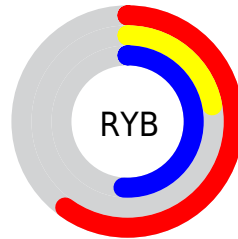
The XYZ color **18.5135, 11.1856, 21.9522** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **14.4706, 24.2028, 11.4992**, and the grayscale version is **10.4354, 10.9788, 11.9559**.

A 20% lighter version of the original color is **40.4905, 28.0163, 47.5296**, and **6.5569, 3.2172, 7.6725** is the 20% darker color. If you saturate the color by 10%, you get **17.6352, 9.8240, 20.4408**, and if you desaturate by 10%, it is **19.6285, 13.0052, 23.5887**.

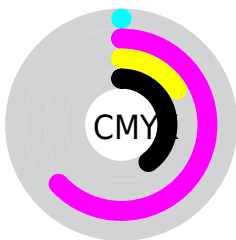
Distribution



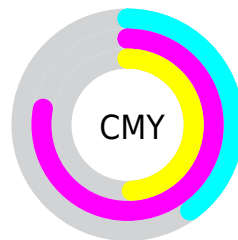
- Red (60%)
- Green (22%)
- Blue (51%)



- Red (60%)
- Yellow (22%)
- Blue (51%)



- Cyan (0%)
- Magenta (63%)
- Yellow (16%)
- Black (40%)



- Cyan (40%)
- Magenta (78%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5135, 11.1856, 21.9522 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 18.5135, 11.1856, 21.9522 by changing the saturation by 10% instead.

■ 18.5135, 11.1856,
21.9522

■ 18.5135, 11.1856,
21.9522

236.7397,
198.9365, 275.2419

■ 11.4212, 6.1918,
13.6238

■ 40.4337, 28.0029,
47.5682

■ 6.4203, 2.9621,
7.7237

■ 55.9922, 40.5951,
65.6928

■ 3.1453, 1.1120,
3.8335

■ 75.1036, 56.4890,
87.9199

■ 1.2311, 0.0000,
1.5344

■ 98.1331, 76.0689,
114.6681

■ 0.1307, 0.0000,
0.2434

■ 125.4461, 99.7192,
146.3558

■ 0.0000, 0.0000,
0.0000

■ 157.4079,

127.8243, 183.4017

194.3840,
160.7686, 226.2242

■ 18.5135, 11.1856,
21.9522

■ 18.5135, 11.1856,
21.9522

■ 17.6352, 9.8240,
20.4408

■ 19.6285, 13.0052,
23.5887

■ 16.9709, 8.8761,
19.0462

■ 20.9980, 15.3188,
25.3564

■ 16.4955, 8.2913,
17.7596

■ 22.6391, 18.1604,
27.2616

■ 16.2397, 8.0135,
16.9537

■ 24.5672, 21.5607,
29.3099

■ 26.7966, 25.5480,
31.5066

■ 29.3405, 30.1487,
33.8564

■ 32.2114, 35.3875,
36.3641

■ 35.4210, 41.2877,
39.0339

■ 38.9805, 47.8717,
41.8700

Harmonies

Analogous

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



15.4415, 11.1856, 36.5016



18.5135, 11.1856, 21.9522



19.2710, 11.1856, 9.9253

Triad

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



18.5135, 11.1856, 21.9522



9.8123, 11.1856, 1.1233



5.9327, 11.1856, 28.7310

Complementary

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



18.5135, 11.1856, 21.9522



14.4706, 24.2028, 11.4992

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.



5.0593, 11.1856, 14.7509



18.5135, 11.1856, 21.9522



6.9412, 11.1856, 2.1186

Square

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



18.5135, 11.1856, 21.9522



13.6471, 11.1856, 1.4530



5.3806, 11.1856, 5.8469



8.0966, 11.1856, 41.7425

Rectangle

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



18.5135, 11.1856, 21.9522



18.2353, 11.1856, 5.1493



5.3806, 11.1856, 5.8469



5.5042, 11.1856, 23.7565

Sweetspot

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



18.5139, 11.1861, 21.9524



45.5356, 41.3543, 54.0395



10.3585, 6.7755, 30.8991



9.8302, 8.7311, 11.7076



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.5139, 11.1861, 21.9524



31.0498, 16.8116, 35.5569



16.0694, 10.2084, 9.0802



6.3959, 6.2975, 7.4648



13.4354, 6.6284, 14.0839



0.2149, 0.1047, 0.2844

Inverse Universe

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



18.5139, 11.1861, 21.9524



31.0498, 16.8116, 35.5569



16.8621, 25.1594, 24.0924



6.3959, 6.2975, 7.4648



13.4354, 6.6284, 14.0839



0.2149, 0.1047, 0.2844

Previews

White Background



This preview shows how the XYZ color 18.5135, 11.1856, 21.9522 looks on a white background.

Color Contrast Check

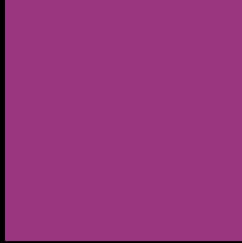
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.5135, 11.1856, 21.9522 looks on a 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 18.5135, 11.1856, 21.9522

Background



This preview shows how black text looks on a background with the XYZ color 18.5135, 11.1856, 21.9522.



This preview shows how white text looks on a background with the XYZ color 18.5135, 11.1856,

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

18.5135, 11.1856, 21.9522

Protanopia

12.4871, 11.5252, 34.3673

Deuteranopia

11.6093, 11.3826, 20.3241



Tritanopia

15.6729, 11.1842, 7.9893

Trichromacy



Original Color

18.5135, 11.1856, 21.9522

Protanomaly

13.2510, 10.4721, 29.3399

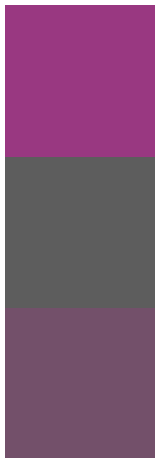
Deuteranomaly

13.2524, 10.6627, 20.7617

Tritanomaly

16.5335, 11.0908, 12.0958

Monochromacy



Original Color

18.5135, 11.1856, 21.9522

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.5404, 10.4228, 14.9865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5135, 11.1856, 21.9522 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(153, 56, 129)` looks like.

```
.text, #text, p{  
  color:rgb(153, 56, 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(153, 56, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 56, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.5135, 11.1856, 21.9522 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(153, 56, 129) }
```


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

```
.border{ border-color:rgb(153, 56, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 56, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 56, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 56, 129);  
box-shadow:4px 4px 4px 4px rgb(153, 56,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5135, 11.1856, 21.9522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 56, 129) }
```

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

```
.background{ background-color: rgb(153, 56,  
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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