

Converting Colors

XYZ(18.3374, 11.6090, 23.9960)

Have a look what the booklet for
XYZ(18.3374, 11.6090, 23.9960)
contains.

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Color

**XYZ(18.2933, 11.5721,
23.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	943F86
RGB	148, 63, 134
RGB Percent	58%, 25%, 53%
CMY	0.4196, 0.7529, 0.4745
CMYK	0.00, 0.57, 0.09, 0.42
HSL	310°, 40%, 41%
HSV	310°, 57%, 58%
XYZ	18.2933, 11.5721, 23.8237
YIQ	96.5090, 27.8690, 40.1010

Conversions

Conversions Part 2

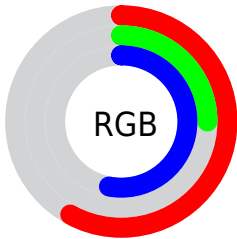
Format	Color
R_{YB}	148, 63, 134
Decimal	9715590
CIE _{Lab}	40.53, 45.03, -23.05
CIE _{LCh}	41, 50.588, 332.888
Yxy	11.5721, 0.3407, 0.2155
Android (android.graphics.Color)	4287905670 (0xFF943F86)
YUV	96.5090, 18.4831, 45.1576
Hunter-Lab	34.0178, 36.4585, -17.7102

Details

The XYZ color **18.2933, 11.5721, 23.8237** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.9799, 22.7728, 10.6807**, and the grayscale version is **11.1940, 11.7770, 12.8251**.

A 20% lighter version of the original color is **40.0022, 28.6867, 50.4424**, and **6.3521, 3.1381, 8.6584** is the 20% darker color. If you saturate the color by 10%, you get **17.4131, 10.0806, 22.7011**, and if you desaturate by 10%, it is **19.3985, 13.5070, 25.0408**.

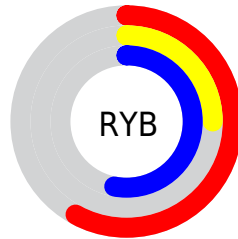
Distribution



Red (58%)

Green (25%)

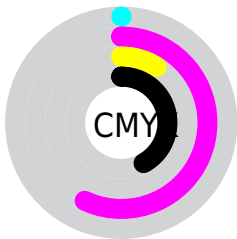
Blue (53%)



Red (58%)

Yellow (25%)

Blue (53%)

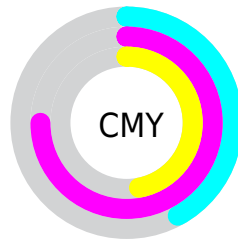


Cyan (0%)

Magenta (57%)

Yellow (9%)

Black (42%)



Cyan (42%)


Magenta (75%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2933, 11.5721, 23.8237 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 18.2933, 11.5721, 23.8237 by changing the saturation by 10% instead.


 18.2933, 11.5721,
23.8237


 18.2933, 11.5721,
23.8237


235.5328,
201.5515, 285.1857


 11.2617, 6.4530,
14.9919


 40.0626, 28.7133,
50.6826

 6.3117, 3.1225,
8.6671


 55.5311, 41.5043,
69.5467


 3.0780, 1.1960,
4.4309

 74.5426, 57.6213,
92.5921

 1.1952, 0.0584,
1.8646

 97.4625, 77.4488,
120.2372

 0.1025, 0.0000,
0.4701

 124.6561,
101.3712, 152.9005

 0.0000, 0.0000,
0.0000

156.4888,

129.7729, 191.0007

193.3259,
163.0382, 234.9563

■ 18.2933, 11.5721,
23.8237

■ 18.2933, 11.5721,
23.8237

■ 17.4131, 10.0806,
22.7011

■ 19.3985, 13.5070,
25.0408

■ 16.7387, 8.9945,
21.6662

■ 20.7437, 15.9158,
26.3573

■ 16.2495, 8.2726,
20.7122

■ 22.3439, 18.8282,
27.7784

■ 15.9080, 7.8401,
19.8263

■ 24.2126, 22.2712,
29.3088

■ 15.8271, 7.7417,
19.6040

■ 26.3622, 26.2697,
30.9526

■ 28.8045, 30.8470,
32.7139

■ 31.5504, 36.0251,
34.5965

■ 34.6105, 41.8250,
36.6041

■ 37.9947, 48.2664,
38.7400

Harmonies

Analogous

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



15.1540, 11.5721, 37.3005



18.2933, 11.5721, 23.8237



19.3579, 11.5721, 11.6373

Triad

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



18.2933, 11.5721, 23.8237



10.6574, 11.5721, 1.4075



6.1908, 11.5721, 26.5384

Complementary

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



18.2933, 11.5721, 23.8237



13.9799, 22.7728, 10.6807

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.



5.4775, 11.5721, 13.6145



18.2933, 11.5721, 23.8237



7.6826, 11.5721, 2.2621

Square

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



18.2933, 11.5721, 23.8237



14.4259, 11.5721, 1.9619



5.9585, 11.5721, 5.6067



8.1629, 11.5721, 39.3756

Rectangle

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



18.2933, 11.5721, 23.8237



18.5946, 11.5721, 6.4061



5.9585, 11.5721, 5.6067



5.8177, 11.5721, 21.8749

Sweetspot

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



18.2937, 11.5726, 23.8239



42.7536, 39.3556, 51.7387



10.0840, 7.2200, 28.8794



9.6168, 8.7196, 11.6973



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.2937, 11.5726, 23.8239



30.3373, 17.1503, 39.5008



15.9554, 10.6373, 11.5109



5.9947, 5.8930, 7.0783



13.5272, 6.6159, 16.7893



0.1744, 0.0845, 0.2518

Inverse Universe

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



18.2937, 11.5726, 23.8239



30.3373, 17.1503, 39.5008



15.9252, 23.5509, 20.9245



5.9947, 5.8930, 7.0783



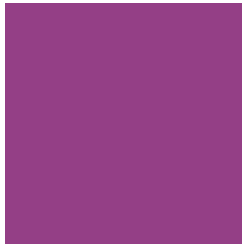
13.5272, 6.6159, 16.7893



0.1744, 0.0845, 0.2518

Previews

White Background



This preview shows how the XYZ color 18.2933, 11.5721, 23.8237 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

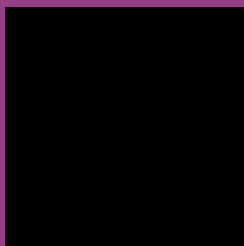
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2933, 11.5721, 23.8237

Background



This preview shows how black text looks on a background with the XYZ color 18.2933, 11.5721, 23.8237.



This preview shows how white text looks on a background with the XYZ color 18.2933, 11.5721,

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

18.2933, 11.5721, 23.8237

Protanopia

12.8021, 11.8087, 34.8623

Deuteranopia

11.9851, 11.7956, 22.4140



Tritanopia

15.2628, 11.5289, 9.4035

Trichromacy



Original Color

18.2933, 11.5721, 23.8237

Protanomaly

13.7162, 11.0175, 30.6818

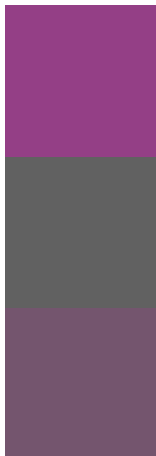
Deuteranomaly

13.4967, 11.0764, 22.8993

Tritanomaly

16.1038, 11.3754, 13.6588

Monochromacy



Original Color

18.2933, 11.5721, 23.8237

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.2654, 11.3358, 16.2407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2933, 11.5721, 23.8237 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(148, 63, 134)` looks like.

```
.text, #text, p{  
    color:rgb(148, 63, 134)  
}
```

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(148, 63, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 63, 134) }
```

Border

The CSS property to change the border of an element to XYZ 18.2933, 11.5721, 23.8237 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(148, 63, 134) }
```


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

```
.border{ border-color:rgb(148, 63, 134) }
```

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

Here you see how a box with a 4 pixel rgb(148, 63, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 63, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 63, 134);  
box-shadow:4px 4px 4px 4px rgb(148, 63,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2933, 11.5721, 23.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 63, 134) }
```

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

```
.background{ background-color: rgb(148, 63,  
134) }
```

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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