

Converting Colors

XYZ(18.7699, 11.8272, 18.0278)

Have a look what the booklet for
XYZ(18.7699, 11.8272, 18.0278)
contains.

XYZ(18.8381, 11.8977, 18.1332)	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(18.8381, 11.8977,
18.1332)**

Conversions

Conversions Part 1

Format	Color
Hex	9D3E75
RGB	157, 62, 117
RGB Percent	62%, 24%, 46%
CMY	0.3843, 0.7568, 0.5412
CMYK	0.00, 0.61, 0.25, 0.38
HSL	325°, 43%, 43%
HSV	325°, 61%, 62%
XYZ	18.8381, 11.8977, 18.1332
YIQ	96.6750, 38.9650, 37.2450

Conversions

Conversions Part 2

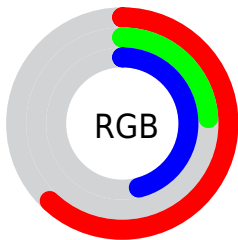
Format	Color
R_{YB}	157, 62, 117
Decimal	10305141
CIE _{Lab}	41.05, 45.60, -11.67
CIE _{LCh}	41, 47.072, 345.647
Yxy	11.8977, 0.3855, 0.2435
Android (android.graphics.Color)	4288495221 (0xFF9D3E75)
YUV	96.6750, 10.0202, 52.9050
Hunter-Lab	34.4930, 37.1235, -7.0240

Details

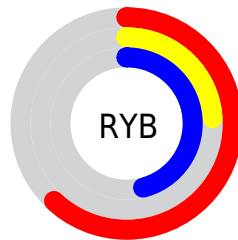
The XYZ color **18.8381, 11.8977, 18.1332** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.4424, 26.0977, 16.7424**, and the grayscale version is **11.2527, 11.8387, 12.8924**.

A 20% lighter version of the original color is **40.9103, 29.1953, 41.0152**, and **6.5537, 3.2545, 5.9130** is the 20% darker color. If you saturate the color by 10%, you get **17.7293, 10.2803, 15.9131**, and if you desaturate by 10%, it is **20.2217, 14.0205, 20.5805**.

Distribution



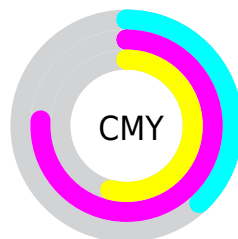
- Red (62%)
- Green (24%)
- Blue (46%)



- Red (62%)
- Yellow (24%)
- Blue (46%)



- Cyan (0%)
- Magenta (61%)
- Yellow (25%)
- Black (38%)



- Cyan (38%)
- Magenta (76%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8381, 11.8977, 18.1332 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 18.8381, 11.8977, 18.1332 by changing the saturation by 10% instead.

18.8381, 11.8977,
18.1332

18.8381, 11.8977,
18.1332

238.5088,
203.7269, 253.8820

11.6567, 6.6741,
10.8752

40.9793, 29.3087,
41.0812

6.5809, 3.2591,
5.8699

56.6698, 42.2647,
57.6082

3.2454, 1.2685,
2.6986

75.9274, 58.5671,
78.0621

1.2848, 0.1166,
0.9427

99.1174, 78.6001,
102.8613

0.1718, 0.0000,
0.0000

126.6052,
102.7482, 132.4243

0.0000, 0.0000,
0.0000

158.7561,

131.3958, 167.1698

195.9356,
164.9272, 207.5162

■ 18.8381, 11.8977,
18.1332

■ 18.8381, 11.8977,
18.1332

■ 17.7293, 10.2803,
15.9131

■ 20.2217, 14.0205,
20.5805

■ 16.8718, 9.1226,
13.9094

■ 21.8989, 16.6858,
23.2638

■ 16.2396, 8.3733,
12.1106

■ 23.8879, 19.9292,
26.1918

■ 15.7883, 7.9216,
10.5699

■ 26.2053, 23.7828,
29.3726

■ 28.8662, 28.2761,
32.8136

■ 31.8849, 33.4369,
36.5222

■ 35.2748, 39.2914,
40.5051

■ 39.0487, 45.8642,
44.7689

■ 43.2186, 53.1787,
49.3198

Harmonies

Analogous

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



16.6162, 11.8977, 30.7897



18.8381, 11.8977, 18.1332



18.7848, 11.8977, 8.5581

Triad

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



18.8381, 11.8977, 18.1332



9.6458, 11.8977, 2.0309



7.3492, 11.8977, 31.3219

Complementary

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



18.8381, 11.8977, 18.1332



16.4424, 26.0977, 16.7424

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.



6.1371, 11.8977, 18.6458



18.8381, 11.8977, 18.1332



7.2716, 11.8977, 3.8178

Square

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



18.8381, 11.8977, 18.1332



12.9957, 11.8977, 1.9994



6.1119, 11.8977, 8.8697



9.7739, 11.8977, 40.6148

Rectangle

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



18.8381, 11.8977, 18.1332



17.4487, 11.8977, 4.8578



6.1119, 11.8977, 8.8697



6.8097, 11.8977, 27.0967

Sweetspot

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



18.8385, 11.8983, 18.1334



47.9072, 44.2316, 53.8943



13.2415, 8.6808, 32.8760



10.2720, 9.2803, 11.5019



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.



18.8385, 11.8983, 18.1334



31.1014, 17.5092, 27.0544



16.7306, 11.0551, 7.0334



6.7859, 6.7073, 7.7238



12.8417, 6.4413, 8.6836



0.2505, 0.1235, 0.2650

Inverse Universe

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



18.8385, 11.8983, 18.1334



31.1014, 17.5092, 27.0544



19.4754, 27.3109, 32.7139



6.7859, 6.7073, 7.7238



12.8417, 6.4413, 8.6836



0.2505, 0.1235, 0.2650

Previews

White Background



This preview shows how the XYZ color 18.8381, 11.8977, 18.1332 looks on a white background.

Color Contrast Check

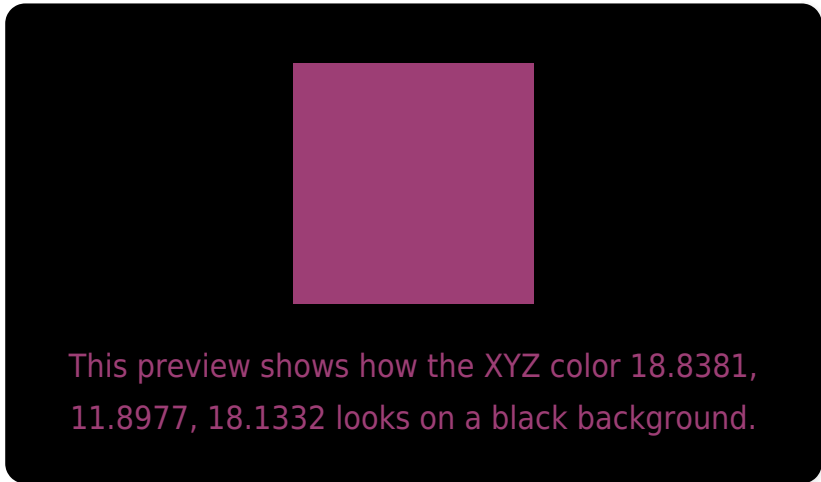
Large Text (above 18pt) WCAG AA ✓ Pass

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

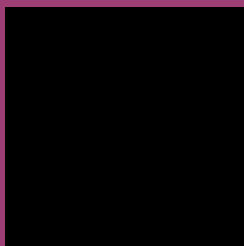
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8381, 11.8977, 18.1332

Background



This preview shows how black text looks on a background with the XYZ color 18.8381, 11.8977, 18.1332.



This preview shows how white text looks on a background with the XYZ color 18.8381, 11.8977,

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

18.8381, 11.8977, 18.1332

Protanopia

12.6326, 12.1577, 27.2721

Deuteranopia

12.2724, 12.0636, 17.0109



Tritanopia

16.6946, 11.8006, 8.2353

Trichromacy



Original Color

18.8381, 11.8977, 18.1332

Protanomaly

13.8344, 11.3491, 23.6517

Deuteranomaly

14.0157, 11.4664, 17.3941

Tritanomaly

17.2819, 11.7596, 11.2565

Monochromacy



Original Color

18.8381, 11.8977, 18.1332

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.2768, 11.2621, 14.5707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8381, 11.8977, 18.1332 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(157, 62, 117)` looks like.

```
.text, #text, p{  
    color:rgb(157, 62, 117)  
}
```

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(157, 62, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 62, 117) }
```

Border

The CSS property to change the border of an element to XYZ 18.8381, 11.8977, 18.1332 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(157, 62, 117) }
```


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

```
.border{ border-color:rgb(157, 62, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 62, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 62, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 62, 117);  
box-shadow:4px 4px 4px 4px rgb(157, 62,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8381, 11.8977, 18.1332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 62, 117) }
```

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

```
.background{ background-color: rgb(157, 62,  
117) }
```

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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