

Converting Colors

XYZ(19.5985, 11.3438, 18.7483)

Have a look what the booklet for
XYZ(19.5985, 11.3438, 18.7483)
contains.

XYZ(19.5323, 11.3151, 18.6073)	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(19.5323, 11.3151,
18.6073)**

Conversions

Conversions Part 1

Format	Color
Hex	A33177
RGB	163, 49, 119
RGB Percent	64%, 19%, 47%
CMY	0.3608, 0.8078, 0.5333
CMYK	0.00, 0.70, 0.27, 0.36
HSL	323°, 54%, 42%
HSV	323°, 70%, 64%
XYZ	19.5323, 11.3151, 18.6073
YIQ	91.0660, 45.4740, 45.9380

Conversions

Conversions Part 2

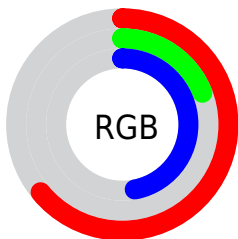
Format	Color
R_{YB}	163, 49, 119
Decimal	10695031
CIE _{Lab}	40.11, 53.22, -14.25
CIE _{LCh}	40, 55.097, 345.009
Yxy	11.3151, 0.3950, 0.2288
Android (android.graphics.Color)	4288885111 (0xFFA33177)
YUV	91.0660, 13.7715, 63.0861
Hunter-Lab	33.6379, 44.7820, -9.2506

Details

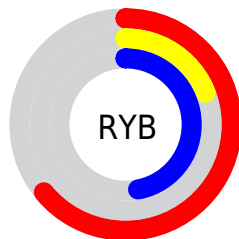
The XYZ color **19.5323, 11.3151, 18.6073** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.3403, 27.6379, 14.8310**, and the grayscale version is **9.9221, 10.4388, 11.3679**.

A 20% lighter version of the original color is **42.1198, 28.2131, 41.7538**, and **7.1689, 3.5680, 6.1052** is the 20% darker color. If you saturate the color by 10%, you get **18.6043, 10.0438, 16.4950**, and if you desaturate by 10%, it is **20.7326, 13.0907, 20.9340**.

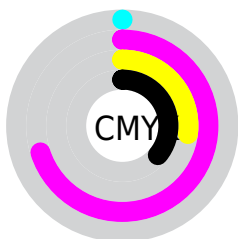
Distribution



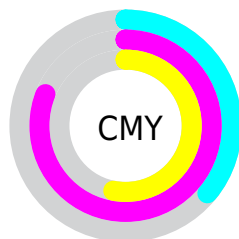
- Red (64%)
- Green (19%)
- Blue (47%)



- Red (64%)
- Yellow (19%)
- Blue (47%)



- Cyan (0%)
- Magenta (70%)
- Yellow (27%)
- Black (36%)



- Cyan (36%)
- Magenta (81%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5323, 11.3151, 18.6073 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 19.5323, 11.3151, 18.6073 by changing the saturation by 10% instead.

■ 19.5323, 11.3151,
18.6073

■ 19.5323, 11.3151,
18.6073

242.2539,
199.8168, 256.6222

■ 12.1618, 6.2792,
11.2129

■ 42.1416, 28.2414,
41.8973

■ 6.9270, 3.0156,
6.0943

■ 58.1111, 40.9006,
58.6300

■ 3.4624, 1.1399,
2.8328

■ 77.6777, 56.8696,
79.3126

■ 1.4027, 0.0118,
1.0099

■ 101.2067, 76.5329,
104.3635

■ 0.2582, 0.0000,
0.0000

■ 129.0635,
100.2749, 134.2014

■ 0.0000, 0.0000,
0.0000

■ 161.6134,

128.4799, 169.2448

199.2217,
161.5324, 209.9123

■ 19.5323, 11.3151,
18.6073

■ 19.5323, 11.3151,
18.6073

■ 18.6043, 10.0438,
16.4950

■ 20.7326, 13.0907,
20.9340

■ 17.9189, 9.2186,
14.5846

■ 22.2284, 15.4166,
23.4848

■ 17.4117, 8.7114,
12.8522

■ 24.0417, 18.3359,
26.2694

■ 17.4086, 8.7082,
12.8412

■ 26.1918, 21.8867,
29.2965

■ 28.6965, 26.1039,
32.5741

■ 31.5725, 31.0199,
36.1098

■ 34.8351, 36.6649,
39.9108

■ 38.4989, 43.0674,
43.9839

■ 42.5776, 50.2542,
48.3358

Harmonies

Analogous

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



16.8357, 11.3151, 34.0013



19.5323, 11.3151, 18.6073



19.5314, 11.3151, 7.6331

Triad

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



19.5323, 11.3151, 18.6073



8.9612, 11.3151, 1.1217



6.3499, 11.3151, 34.0103

Complementary

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



19.5323, 11.3151, 18.6073



16.3403, 27.6379, 14.8310

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.



5.1026, 11.3151, 18.6155



19.5323, 11.3151, 18.6073



6.3488, 11.3151, 2.6256

Square

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



19.5323, 11.3151, 18.6073



12.7703, 11.3151, 1.1213



5.1022, 11.3151, 7.6377



8.9631, 11.3151, 45.8950

Rectangle

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



19.5323, 11.3151, 18.6073



17.9686, 11.3151, 3.7595



5.1022, 11.3151, 7.6377



5.7877, 11.3151, 28.7737

Sweetspot

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



19.5326, 11.3157, 18.6075



50.6998, 45.5744, 57.4550



12.1938, 7.1534, 35.3883



11.1147, 9.7757, 12.5530



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.



19.5326, 11.3157, 18.6075



32.5787, 17.0654, 27.5741



17.0808, 10.3349, 5.6963



7.2479, 7.1556, 8.2918



13.5524, 6.7770, 10.0994



0.3068, 0.1512, 0.3284

Inverse Universe

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



19.5326, 11.3157, 18.6075



32.5787, 17.0654, 27.5741



19.8451, 29.0399, 33.2873



7.2479, 7.1556, 8.2918



13.5524, 6.7770, 10.0994



0.3068, 0.1512, 0.3284

Previews

White Background



This preview shows how the XYZ color 19.5323, 11.3151, 18.6073 looks on a white background.

Color Contrast Check

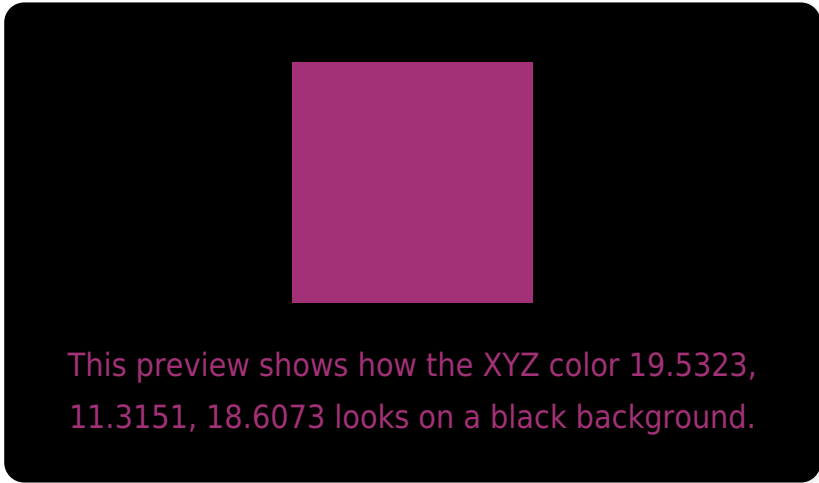
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5323, 11.3151, 18.6073

Background



This preview shows how black text looks on a background with the XYZ color 19.5323, 11.3151, 18.6073.



This preview shows how white text looks on a background with the XYZ color 19.5323, 11.3151,

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

19.5323, 11.3151, 18.6073

Protanopia

12.4179, 11.6889, 31.3074

Deuteranopia

11.7189, 11.5078, 17.2264



Tritanopia

17.0887, 11.3312, 6.5967

Trichromacy



Original Color

19.5323, 11.3151, 18.6073

Protanomaly

13.4019, 10.4064, 26.1132

Deuteranomaly

13.4941, 10.5386, 17.5426

Tritanomaly

17.6900, 11.1716, 10.0281

Monochromacy



Original Color

19.5323, 11.3151, 18.6073

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.2695, 9.8904, 13.5743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5323, 11.3151, 18.6073 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(163, 49, 119)` looks like.

```
.text, #text, p{  
    color:rgb(163, 49, 119)  
}
```

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(163, 49, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 49, 119) }
```

Border

The CSS property to change the border of an element to XYZ 19.5323, 11.3151, 18.6073 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(163, 49, 119) }
```


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

```
.border{ border-color:rgb(163, 49, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 49, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 49, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 49, 119);  
box-shadow:4px 4px 4px 4px rgb(163, 49,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5323, 11.3151, 18.6073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 49, 119) }
```

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

```
.background{ background-color: rgb(163, 49,  
119) }
```

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