

Converting Colors

XYZ(19.9373, 16.2661, 33.8879)

Have a look what the booklet for
XYZ(19.9373, 16.2661, 33.8879)
contains.

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Color

**XYZ(19.9077, 16.1833,
33.9727)**

Conversions

Conversions Part 1

Format	Color
Hex	83639D
RGB	131, 99, 157
RGB Percent	51%, 39%, 62%
CMY	0.4863, 0.6118, 0.3843
CMYK	0.17, 0.37, 0.00, 0.38
HSL	273°, 23%, 50%
HSV	273°, 37%, 62%
XYZ	19.9077, 16.1833, 33.9727
YIQ	115.1800, 0.4540, 24.8220

Conversions

Conversions Part 2

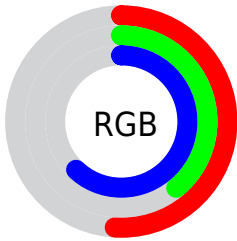
Format	Color
R _{YB}	131, 99, 157
Decimal	8610717
CIE _{Lab}	47.21, 24.46, -26.66
CIE _{LCh}	47, 36.183, 312.538
Yxy	16.1833, 0.2841, 0.2310
Android (android.graphics.Color)	4286800797 (0xFF83639D)
YUV	115.1800, 20.6173, 13.8741
Hunter-Lab	40.2285, 17.9337, -21.9101

Details

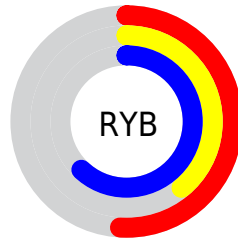
The XYZ color **19.9077, 16.1833, 33.9727** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.7670, 29.3751, 16.2751**, and the grayscale version is **16.2901, 17.1384, 18.6637**.

A 20% lighter version of the original color is **42.7976, 36.8804, 67.1503**, and **7.0861, 5.1814, 13.9912** is the 20% darker color. If you saturate the color by 10%, you get **17.5092, 12.9497, 33.4752**, and if you desaturate by 10%, it is **22.6705, 20.0348, 34.5708**.

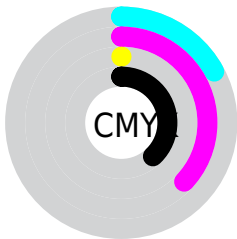
Distribution



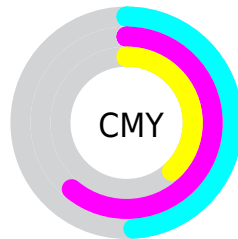
- Red (51%)
- Green (39%)
- Blue (62%)



- Red (51%)
- Yellow (39%)
- Blue (62%)



- Cyan (17%)
- Magenta (37%)
- Yellow (0%)
- Black (38%)



- Cyan (49%)
- Magenta (61%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9077, 16.1833, 33.9727 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 19.9077, 16.1833, 33.9727 by changing the saturation by 10% instead.

■ 19.9077, 16.1833,
33.9727

■ 19.9077, 16.1833,
33.9727

244.2581,
230.4209, 334.7757

■ 12.4358, 9.6540,
22.5954

■ 42.7675, 36.9161,
67.0246

■ 7.1155, 5.1701,
14.0926

■ 58.8862, 51.8884,
89.5364

■ 3.5814, 2.3474,
8.0456

■ 78.6178, 70.4438,
116.5967

■ 1.4682, 0.7986,
4.0359

■ 102.3278, 92.9666,
148.6241

■ 0.3040, 0.0000,
1.6451

130.3814,
119.8414, 186.0372

■ 0.0000, 0.0000,
0.3227

163.1441,

■ 0.0000, 0.0000,

151.4524, 229.2545

0.0000

200.9812,
188.1841, 278.6945

■ 19.9077, 16.1833,
33.9727

■ 19.9077, 16.1833,
33.9727

■ 17.5092, 12.9497,
33.4752

■ 22.6705, 20.0348,
34.5708

■ 15.4551, 10.2974,
33.0716

■ 25.8129, 24.5338,
35.2735

■ 13.7259, 8.1894,
32.7558

■ 29.3511, 29.7104,
36.0862

■ 12.2991, 6.5831,
32.5209

■ 33.3000, 35.5923,
37.0134

■ 11.1490, 5.4292,
32.3588

■ 37.6736, 42.2054,
38.0594

■ 10.2361, 4.6513,
32.2568

■ 42.4851, 49.5746,
39.2282

■ 9.9810, 4.4424,
32.2299

■ 47.7473, 57.7232,
40.5237

■ 53.4722, 66.6738,
41.9496

■ 59.6717, 76.4481,
43.5094

Harmonies

Analogous

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



16.7508, 16.1833, 40.9030



19.9077, 16.1833, 33.9727



21.9988, 16.1833, 23.4289

Triad

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



19.9077, 16.1833, 33.9727



17.2947, 16.1833, 5.6220



10.1420, 16.1833, 21.7119

Complementary

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



19.9077, 16.1833, 33.9727



22.7670, 29.3751, 16.2751

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.



10.2455, 16.1833, 12.8620



19.9077, 16.1833, 33.9727



14.0894, 16.1833, 5.4418

Square

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



19.9077, 16.1833, 33.9727



20.3530, 16.1833, 8.2198



11.5997, 16.1833, 7.5951



11.2940, 16.1833, 32.3481

Rectangle

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



19.9077, 16.1833, 33.9727



22.3515, 16.1833, 16.8550



11.5997, 16.1833, 7.5951



10.0362, 16.1833, 18.4096

Sweetspot

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



19.9083, 16.1840, 33.9731



49.7700, 49.0971, 63.9803



18.5783, 19.7802, 34.7373



10.7788, 10.5507, 14.0388



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.



19.9083, 16.1840, 33.9731



32.2044, 24.3158, 60.1228



24.2080, 18.4288, 32.8970



6.6170, 6.6065, 8.3331



8.1495, 3.6302, 26.1784



0.1940, 0.0898, 0.4703

Inverse Universe

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



22.0686, 17.5731, 21.6315



36.8188, 27.2752, 34.1048



19.5964, 27.7243, 16.8636



6.7504, 6.6931, 7.5370



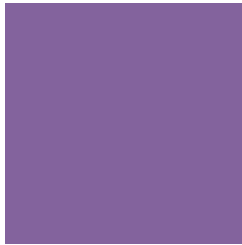
12.2189, 6.1921, 5.4038



0.2395, 0.1191, 0.2073

Previews

White Background



This preview shows how the XYZ color 19.9077, 16.1833, 33.9727 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 19.9077, 16.1833, 33.9727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

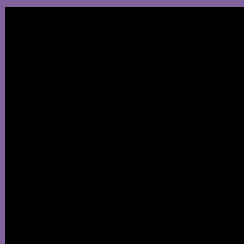
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9077, 16.1833, 33.9727

Background



This preview shows how black text looks on a background with the XYZ color 19.9077, 16.1833, 33.9727.



This preview shows how white text looks on a background with the XYZ color 19.9077, 16.1833,

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

19.9077, 16.1833, 33.9727

Protanopia

16.9731, 16.2322, 38.3149

Deuteranopia

16.7464, 16.3881, 33.2909



Tritanopia

16.8271, 16.2712, 18.7768

Trichromacy



Original Color

19.9077, 16.1833, 33.9727

Protanomaly

17.8283, 16.0782, 36.8141

Deuteranomaly

17.8140, 16.2952, 33.6589

Tritanomaly

17.9007, 16.2539, 23.6666

Monochromacy



Original Color

19.9077, 16.1833, 33.9727

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.3831, 16.6139, 23.4097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9077, 16.1833, 33.9727 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(131, 99, 157)` looks like.

```
.text, #text, p{  
    color:rgb(131, 99, 157)  
}
```

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(131, 99, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 99, 157) }
```

Border

The CSS property to change the border of an element to XYZ 19.9077, 16.1833, 33.9727 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(131, 99, 157) }
```


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

```
.border{ border-color:rgb(131, 99, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 99, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 99, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 99, 157);  
box-shadow:4px 4px 4px 4px rgb(131, 99,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9077, 16.1833, 33.9727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 99, 157) }
```

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

```
.background{ background-color: rgb(131, 99,  
157) }
```

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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