

Converting Colors

XYZ(16.6111, 10.0776, 13.4107)

Have a look what the booklet for
XYZ(16.6111, 10.0776, 13.4107)
contains.

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Color

**XYZ(16.6697, 10.0795,
13.3789)**

Conversions

Conversions Part 1

Format	Color
Hex	993365
RGB	153, 51, 101
RGB Percent	60%, 20%, 40%
CMY	0.4000, 0.8000, 0.6039
CMYK	0.00, 0.67, 0.34, 0.40
HSL	331°, 50%, 40%
HSV	331°, 67%, 60%
XYZ	16.6697, 10.0795, 13.3789
YIQ	87.1980, 44.7420, 37.1740

Conversions

Conversions Part 2

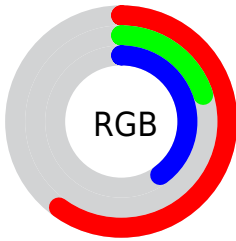
Format	Color
R_{YB}	153, 51, 101
Decimal	10040165
CIE _{Lab}	37.98, 47.18, -6.35
CIE _{LCh}	38, 47.609, 352.332
Yxy	10.0795, 0.4154, 0.2512
Android (android.graphics.Color)	4288230245 (0xFF993365)
YUV	87.1980, 6.8044, 57.7084
Hunter-Lab	31.7482, 38.1637, -2.7614

Details

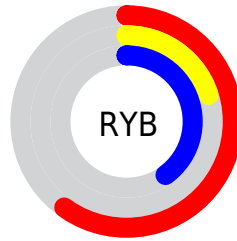
The XYZ color **16.6697, 10.0795, 13.3789** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **15.2052, 24.4659, 16.7543**, and the grayscale version is **9.0812, 9.5541, 10.4044**.

A 20% lighter version of the original color is **37.1962, 25.8693, 32.7386**, and **5.7029, 2.8630, 3.7421** is the 20% darker color. If you saturate the color by 10%, you get **15.7436, 8.8102, 11.2732**, and if you desaturate by 10%, it is **17.8526, 11.8044, 15.7494**.

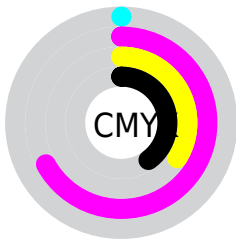
Distribution



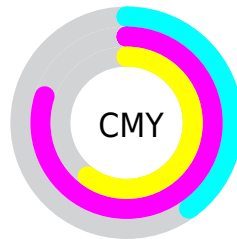
- Red (60%)
- Green (20%)
- Blue (40%)



- Red (60%)
- Yellow (20%)
- Blue (40%)



- Cyan (0%)
- Magenta (67%)
- Yellow (34%)
- Black (40%)





- Cyan (40%)
- Magenta (80%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6697, 10.0795, 13.3789 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 16.6697, 10.0795, 13.3789 by changing the saturation by 10% instead.


 16.6697, 10.0795,
13.3789


 16.6697, 10.0795,
13.3789


226.4552,
191.2385, 224.6244


 10.0931, 5.4517,
7.5562


 37.3051, 25.9449,
32.6839


 5.5235, 2.5147,
3.7286

 52.0947, 37.9513,
47.0034

 2.5954, 0.8840,
1.4777

 70.3526, 53.1861,
64.9921

 0.9436, 0.0000,
0.2012

 92.4443, 72.0336,
87.0687

 0.0000, 0.0000,
0.0000

 118.7350, 94.8781,
113.6517

 149.5902,

122.1042, 145.1596

185.3751,
154.0962, 182.0110

■ 16.6697, 10.0795,
13.3789

■ 16.6697, 10.0795,
13.3789

■ 15.7436, 8.8102,
11.2732

■ 17.8526, 11.8044,
15.7494

■ 15.0499, 7.9493,
9.4190

■ 19.3120, 14.0225,
18.3957

■ 14.5532, 7.4275,
7.7993

■ 21.0664, 16.7696,
21.3287

■ 14.4069, 7.2803,
7.3020

■ 23.1325, 20.0775,
24.5584

■ 25.5255, 23.9754,
28.0942

■ 28.2599, 28.4907,
31.9450

■ 31.3490, 33.6489,
36.1192

■ 34.8054, 39.4740,
40.6249

■ 38.6414, 45.9890,
45.4701

Harmonies

Analogous

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



15.0296, 10.0795, 24.8182



16.6697, 10.0795, 13.3789



16.1140, 10.0795, 5.7389

Triad

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



16.6697, 10.0795, 13.3789



7.5151, 10.0795, 1.6050



6.4174, 10.0795, 30.4316

Complementary

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



16.6697, 10.0795, 13.3789



15.2052, 24.4659, 16.7543

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.



5.1054, 10.0795, 18.6983



16.6697, 10.0795, 13.3789



5.6387, 10.0795, 3.5651

Square

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



16.6697, 10.0795, 13.3789



10.3865, 10.0795, 1.3156



4.8543, 10.0795, 8.8776



8.8168, 10.0795, 37.5560

Rectangle

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



16.6697, 10.0795, 13.3789



14.6181, 10.0795, 3.0917



4.8543, 10.0795, 8.8776



5.8575, 10.0795, 26.6712

Sweetspot

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



16.6700, 10.0800, 13.3791



44.0436, 40.2053, 47.8852



12.4136, 7.4929, 30.9292



9.4825, 8.4823, 10.2147



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.



16.6700, 10.0800, 13.3791



27.5348, 14.9339, 18.5013



14.9187, 9.3795, 4.1567



6.3286, 6.2706, 7.1108



11.9237, 6.0237, 6.1234



0.1966, 0.0974, 0.1879

Inverse Universe

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



16.6700, 10.0800, 13.3791



27.5348, 14.9339, 18.5013



18.5066, 25.7865, 34.1391



6.3286, 6.2706, 7.1108



11.9237, 6.0237, 6.1234



0.1966, 0.0974, 0.1879

Previews

White Background



This preview shows how the XYZ color 16.6697, 10.0795, 13.3789 looks on a white background.

Color Contrast Check

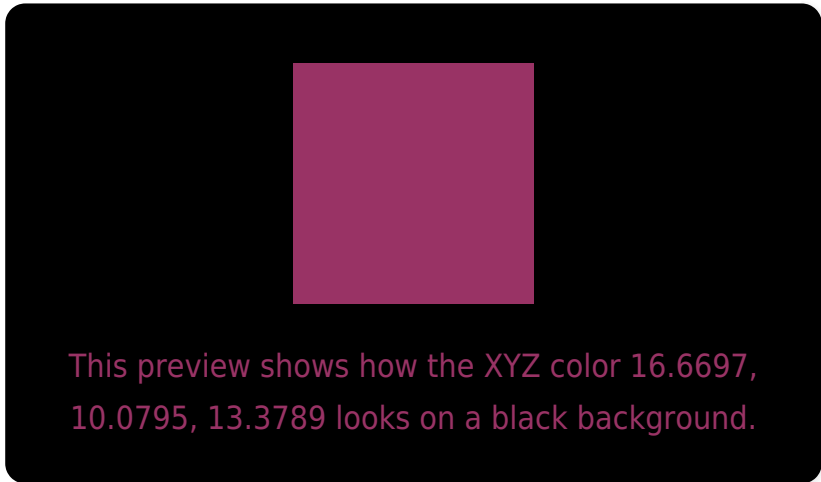
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6697, 10.0795, 13.3789

Background



This preview shows how black text looks on a background with the XYZ color 16.6697, 10.0795, 13.3789.



This preview shows how white text looks on a background with the XYZ color 16.6697, 10.0795,

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

16.6697, 10.0795, 13.3789

Protanopia

10.6276, 10.3393, 21.5142

Deuteranopia

10.5308, 10.3654, 12.5120



Tritanopia

15.1189, 10.0859, 6.0004

Trichromacy



Original Color

16.6697, 10.0795, 13.3789

Protanomaly

11.7299, 9.4043, 18.3365

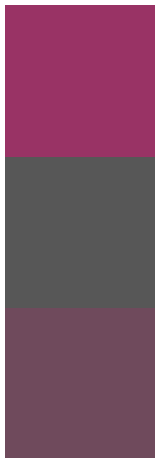
Deuteranomaly

12.0568, 9.6959, 12.7913

Tritanomaly

15.5652, 10.0414, 8.1390

Monochromacy



Original Color

16.6697, 10.0795, 13.3789

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.9361, 9.0498, 11.2956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6697, 10.0795, 13.3789 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, 51, 101)` looks like.

```
.text, #text, p{  
    color:rgb(153, 51, 101)  
}
```

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, 51, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 51, 101) }
```

Border

The CSS property to change the border of an element to XYZ 16.6697, 10.0795, 13.3789 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, 51, 101) }
```


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

```
.border{ border-color:rgb(153, 51, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 51, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 51, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 51, 101);  
box-shadow:4px 4px 4px 4px rgb(153, 51,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6697, 10.0795, 13.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 51, 101) }
```

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

```
.background{ background-color: rgb(153, 51,  
101) }
```

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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