

Converting Colors

XYZ(19.6212, 12.3467, 13.2325)

Have a look what the booklet for
XYZ(19.6212, 12.3467, 13.2325)
contains.

XYZ(19.6468, 12.3453, 13.1518)	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(19.6468, 12.3453,
13.1518)**

Conversions

Conversions Part 1

Format	Color
Hex	A63D63
RGB	166, 61, 99
RGB Percent	65%, 24%, 39%
CMY	0.3490, 0.7608, 0.6118
CMYK	0.00, 0.63, 0.40, 0.35
HSL	338°, 46%, 45%
HSV	338°, 63%, 65%
XYZ	19.6468, 12.3453, 13.1518
YIQ	96.7270, 50.3820, 34.0780

Conversions

Conversions Part 2

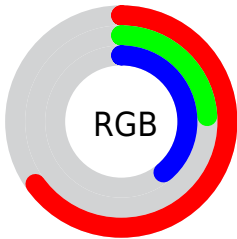
Format	Color
R_{YB}	166, 61, 99
Decimal	10894691
CIE _{Lab}	41.76, 46.67, 0.72
CIE _{LCh}	42, 46.675, 0.886
Yxy	12.3453, 0.4352, 0.2735
Android (android.graphics.Color)	4289084771 (0xFFA63D63)
YUV	96.7270, 1.1206, 60.7524
Hunter-Lab	35.1359, 38.3234, 2.4021

Details

The XYZ color **19.6468, 12.3453, 13.1518** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.4577, 29.8235, 25.1548**, and the grayscale version is **11.2845, 11.8722, 12.9288**.

A 20% lighter version of the original color is **42.2628, 30.0839, 32.4334**, and **7.0730, 3.5720, 3.6848** is the 20% darker color. If you saturate the color by 10%, you get **18.4202, 10.6501, 10.4061**, and if you desaturate by 10%, it is **21.2148, 14.6169, 16.3393**.

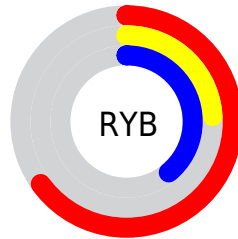
Distribution



Red (65%)

Green (24%)

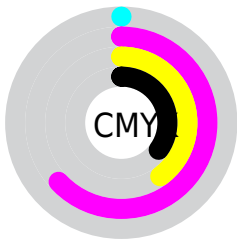
Blue (39%)



Red (65%)

Yellow (24%)

Blue (39%)

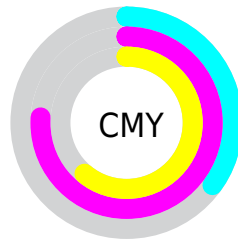


Cyan (0%)

Magenta (63%)

Yellow (40%)

Black (35%)



Cyan (35%)

Magenta (76%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6468, 12.3453, 13.1518 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 19.6468, 12.3453, 13.1518 by changing the saturation by 10% instead.

■ 19.6468, 12.3453,
13.1518

■ 19.6468, 12.3453,
13.1518

242.8667,
206.6781, 223.1301

■ 12.2453, 6.9793,
7.4012

■ 42.3327, 30.1225,
32.2714

■ 6.9844, 3.4492,
3.6320

■ 58.3478, 43.3024,
46.4775

■ 3.4986, 1.3705,
1.4257

■ 77.9649, 59.8558,
64.3392

■ 1.4226, 0.1948,
0.1617

■ 101.5493, 80.1670,
86.2750

■ 0.2722, 0.0000,
0.0000

■ 129.4663,
104.6204, 112.7034

■ 0.0000, 0.0000,
0.0000

162.0813,

133.6005, 144.0431

199.7597,
167.4916, 180.7125

■ 19.6468, 12.3453,
13.1518

■ 19.6468, 12.3453,
13.1518

■ 18.4202, 10.6501,
10.4061

■ 21.2148, 14.6169,
16.3393

■ 17.5051, 9.4757,
8.0793

■ 23.1484, 17.5096,
19.9883

■ 16.8678, 8.7590,
6.1468

■ 25.4710, 21.0662,
24.1181

■ 16.5434, 8.4340,
5.0409

■ 28.2033, 25.3249,
28.7464

■ 31.3647, 30.3211,
33.8902

■ 34.9733, 36.0877,
39.5653

■ 39.0462, 42.6556,
45.7871

■ 43.5994, 50.0541,
52.5701

■ 48.6483, 58.3110,
59.9284

Harmonies

Analogous

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



18.4954, 12.3453, 24.8944



19.6468, 12.3453, 13.1518



18.3576, 12.3453, 5.8868

Triad

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



19.6468, 12.3453, 13.1518



8.6617, 12.3453, 2.8712



8.8068, 12.3453, 37.6387

Complementary

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



19.6468, 12.3453, 13.1518



19.4577, 29.8235, 25.1548

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.



6.9326, 12.3453, 25.6656



19.6468, 12.3453, 13.1518



6.8610, 12.3453, 6.1836

Square

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



19.6468, 12.3453, 13.1518



11.6321, 12.3453, 2.0167



6.2948, 12.3453, 13.7363



11.8362, 12.3453, 42.5800

Rectangle

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



19.6468, 12.3453, 13.1518



16.4091, 12.3453, 3.4637



6.2948, 12.3453, 13.7363



8.0434, 12.3453, 34.0860

Sweetspot

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



19.6471, 12.3460, 13.1520



53.3275, 49.3331, 55.6968



17.3794, 10.6419, 37.2146



11.5913, 10.5005, 11.9016



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.6471, 12.3460, 13.1520



32.6741, 18.3329, 17.0385



19.0848, 13.4768, 6.0111



7.6391, 7.5855, 8.4168



12.8493, 6.5484, 4.0181



0.3371, 0.1691, 0.2269

Inverse Universe

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



19.6471, 12.3460, 13.1520



32.6741, 18.3329, 17.0385



20.0362, 26.2022, 40.0780



7.6391, 7.5855, 8.4168



12.8493, 6.5484, 4.0181



0.3371, 0.1691, 0.2269

Previews

White Background



This preview shows how the XYZ color 19.6468, 12.3453, 13.1518 looks on a white background.

Color Contrast Check

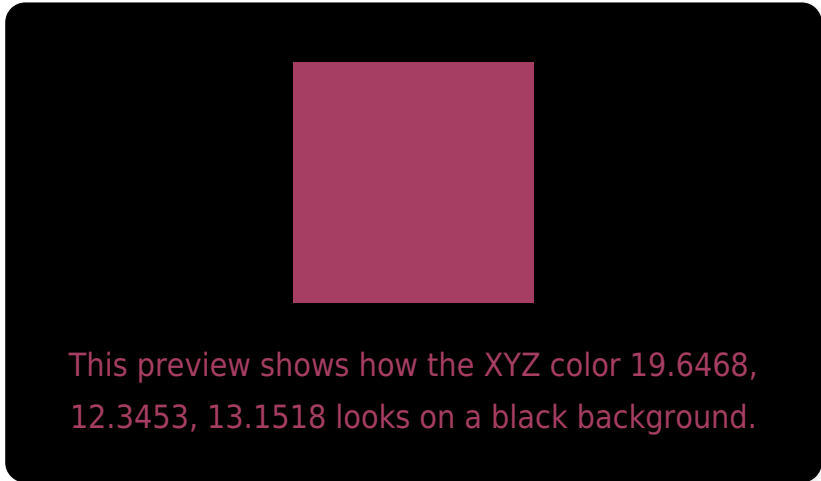
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6468, 12.3453, 13.1518

Background



This preview shows how black text looks on a background with the XYZ color 19.6468, 12.3453, 13.1518.

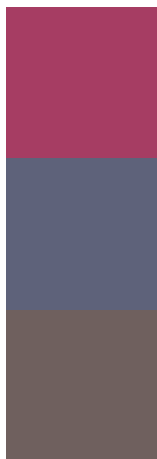


This preview shows how white text looks on a background with the XYZ color 19.6468, 12.3453,

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

19.6468, 12.3453, 13.1518

Protanopia

12.4966, 12.5202, 20.1703

Deuteranopia

12.7588, 12.5534, 12.3403



Tritanopia

18.4543, 12.3618, 7.3746

Trichromacy



Original Color

19.6468, 12.3453, 13.1518

Protanomaly

14.0315, 11.7050, 17.4393

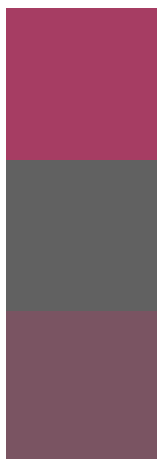
Deuteranomaly

14.5646, 11.8563, 12.5872

Tritanomaly

18.8925, 12.3740, 9.1773

Monochromacy



Original Color

19.6468, 12.3453, 13.1518

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.4010, 11.3601, 13.0417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6468, 12.3453, 13.1518 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(166, 61, 99)` looks like.

```
.text, #text, p{  
    color:rgb(166, 61, 99)  
}
```

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(166, 61, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 61, 99) }
```

Border

The CSS property to change the border of an element to XYZ 19.6468, 12.3453, 13.1518 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(166, 61, 99) }
```


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

```
.border{ border-color:rgb(166, 61, 99) }
```

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

Here you see how a box with a 4 pixel rgb(166, 61, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 61, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 61, 99);  
box-shadow:4px 4px 4px 4px rgb(166, 61,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6468, 12.3453, 13.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 61, 99) }
```

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

```
.background{ background-color: rgb(166, 61,  
99) }
```

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