

Converting Colors

XYZ(19.8711, 13.3722, 13.8158)

Have a look what the booklet for
XYZ(19.8711, 13.3722, 13.8158)
contains.

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Color

**XYZ(19.9762, 13.4668,
13.8584)**

Conversions

Conversions Part 1

Format	Color
Hex	A44865
RGB	164, 72, 101
RGB Percent	64%, 28%, 40%
CMY	0.3569, 0.7176, 0.6039
CMYK	0.00, 0.56, 0.38, 0.36
HSL	341°, 39%, 46%
HSV	341°, 56%, 64%
XYZ	19.9762, 13.4668, 13.8584
YIQ	102.8140, 45.5230, 28.5230

Conversions

Conversions Part 2

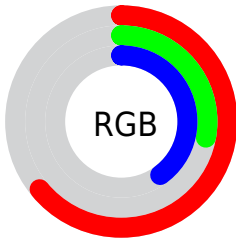
Format	Color
RYB	164, 72, 101
Decimal	10766437
CIELab	43.46, 40.99, 1.91
CIElCh	43, 41.036, 2.669
Yxy	13.4668, 0.4223, 0.2847
Android (android.graphics.Color)	4288956517 (0xFFA44865)
YUV	102.8140, -0.8943, 53.6601
Hunter-Lab	36.6971, 32.9470, 3.2976

Details

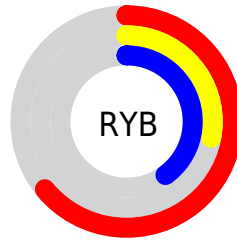
The XYZ color **19.9762, 13.4668, 13.8584** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.3219, 29.6783, 27.5808**, and the grayscale version is **12.8373, 13.5058, 14.7078**.

A 20% lighter version of the original color is **42.9993, 32.2119, 33.6570**, and **7.1888, 3.9502, 3.8736** is the 20% darker color. If you saturate the color by 10%, you get **18.5407, 11.4170, 10.8480**, and if you desaturate by 10%, it is **21.7705, 16.1137, 17.3597**.

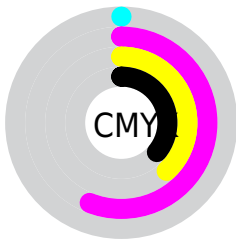
Distribution



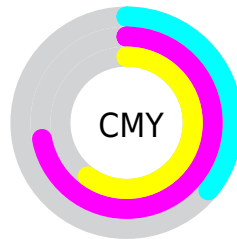
- Red (64%)
- Green (28%)
- Blue (40%)



- Red (64%)
- Yellow (28%)
- Blue (40%)



- Cyan (0%)
- Magenta (56%)
- Yellow (38%)
- Black (36%)



- Cyan (36%)
- Magenta (72%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9762, 13.4668, 13.8584 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 19.9762, 13.4668, 13.8584 by changing the saturation by 10% instead.

■ 19.9762, 13.4668,
13.8584

■ 19.9762, 13.4668,
13.8584

244.6223,
213.8880, 227.7459

■ 12.4859, 7.7508,
7.8846

■ 42.8815, 32.1399,
33.5511

■ 7.1501, 3.9359,
3.9345

■ 59.0273, 45.8658,
48.1070

■ 3.6033, 1.6378,
1.5895

■ 78.7889, 63.0303,
66.3608

■ 1.4802, 0.3829,
0.2833

■ 102.5317, 84.0181,
88.7310

■ 0.3123, 0.0000,
0.0000

■ 130.6211,
109.2133, 115.6360

■ 0.0000, 0.0000,
0.0000

163.4224,

139.0004, 147.4945

201.3010,
173.7639, 184.7249

■ 19.9762, 13.4668,
13.8584

■ 19.9762, 13.4668,
13.8584

■ 18.5407, 11.4170,
10.8480

■ 21.7705, 16.1137,
17.3597

■ 17.4367, 9.9149,
8.3041

■ 23.9458, 19.3977,
21.3731

■ 16.6348, 8.9066,
6.2011

■ 26.5238, 23.3578,
25.9192

■ 16.0951, 8.3179,
4.5084

■ 29.5242, 28.0293,
31.0174

■ 15.9228, 8.1377,
3.9439

■ 32.9654, 33.4450,
36.6860

■ 36.8646, 39.6357,
42.9423

■ 41.2382, 46.6302,
49.8030

■ 46.1016, 54.4563,
57.2840

■ 51.4696, 63.1399,
65.4008

Harmonies

Analogous

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



19.0756, 13.4668, 24.3247



19.9762, 13.4668, 13.8584



18.7045, 13.4668, 7.0641

Triad

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



19.9762, 13.4668, 13.8584



9.7596, 13.4668, 4.2739



10.1793, 13.4668, 36.5279

Complementary

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



19.9762, 13.4668, 13.8584



20.3219, 29.6783, 27.5808

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.



8.2903, 13.4668, 26.3694



19.9762, 13.4668, 13.8584



8.0779, 13.4668, 7.9732

Square

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



19.9762, 13.4668, 13.8584



12.5157, 13.4668, 3.1695



7.5880, 13.4668, 15.4983



13.0882, 13.4668, 40.2232

Rectangle

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



19.9762, 13.4668, 13.8584



16.9021, 13.4668, 4.6454



7.5880, 13.4668, 15.4983



9.4216, 13.4668, 33.5936

Sweetspot

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



19.9766, 13.4675, 13.8586



52.8817, 49.7675, 55.1129



18.9891, 12.4557, 36.5254



11.3284, 10.5169, 11.6572



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.



19.9766, 13.4675, 13.8586



33.1710, 20.0520, 18.6206



20.0414, 15.4837, 8.0641



7.1615, 7.1210, 7.8367



12.2283, 6.2474, 3.1268



0.2775, 0.1395, 0.1739

Inverse Universe

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



19.9766, 13.4675, 13.8586



33.1710, 20.0520, 18.6206



19.8284, 24.9675, 38.8962



7.1615, 7.1210, 7.8367



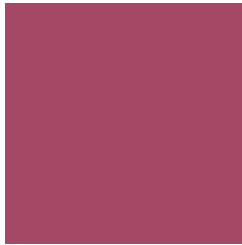
12.2283, 6.2474, 3.1268



0.2775, 0.1395, 0.1739

Previews

White Background



This preview shows how the XYZ color 19.9762, 13.4668, 13.8584 looks on a white background.

Color Contrast Check

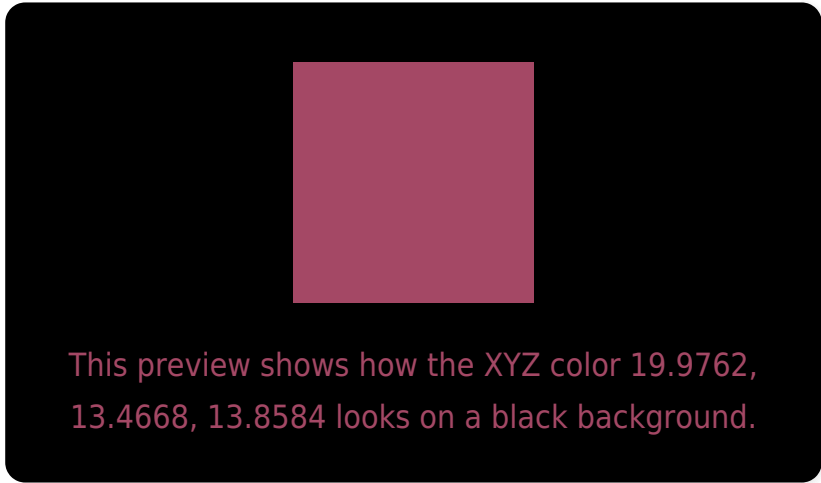
Large Text (above 18pt) WCAG AA ✓ Pass

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

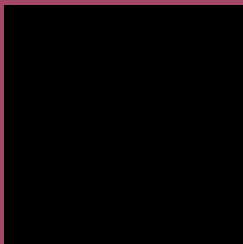
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9762, 13.4668, 13.8584

Background



This preview shows how black text looks on a background with the XYZ color 19.9762, 13.4668, 13.8584.



This preview shows how white text looks on a background with the XYZ color 19.9762, 13.4668,

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

19.9762, 13.4668, 13.8584

Protanopia

13.4356, 13.7417, 19.3971

Deuteranopia

13.9173, 13.6904, 13.2183



Tritanopia

18.9699, 13.4443, 9.3798

Trichromacy



Original Color

19.9762, 13.4668, 13.8584

Protanomaly

14.9202, 13.0351, 17.0589

Deuteranomaly

15.5336, 13.1807, 13.2807

Tritanomaly

19.3818, 13.5233, 10.8212

Monochromacy



Original Color

19.9762, 13.4668, 13.8584

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.6829, 12.9736, 14.3007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9762, 13.4668, 13.8584 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(164, 72, 101)` looks like.

```
.text, #text, p{  
    color:rgb(164, 72, 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(164, 72, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 72, 101) }
```

Border

The CSS property to change the border of an element to XYZ 19.9762, 13.4668, 13.8584 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(164, 72, 101) }
```


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

```
.border{ border-color:rgb(164, 72, 101) }
```

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

Here you see how a box with a 4 pixel rgb(164, 72, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 72, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 72, 101);  
box-shadow:4px 4px 4px 4px rgb(164, 72,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9762, 13.4668, 13.8584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 72, 101) }
```

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

```
.background{ background-color: rgb(164, 72,  
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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