

Converting Colors

XYZ(19.5048, 13.0784, 10.2240)

Have a look what the booklet for
XYZ(19.5048, 13.0784, 10.2240)
contains.

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Color

**XYZ(19.5958, 13.1592,
10.3113)**

Conversions

Conversions Part 1

Format	Color
Hex	A64656
RGB	166, 70, 86
RGB Percent	65%, 27%, 34%
CMY	0.3490, 0.7255, 0.6627
CMYK	0.00, 0.58, 0.48, 0.35
HSL	350°, 41%, 46%
HSV	350°, 58%, 65%
XYZ	19.5958, 13.1592, 10.3113
YIQ	100.5280, 52.0800, 25.3280

Conversions

Conversions Part 2

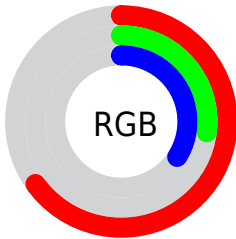
Format	Color
RYB	166, 70, 86
Decimal	10896982
CIELab	43.00, 41.06, 10.57
CIElCh	43, 42.396, 14.431
Yxy	13.1592, 0.4550, 0.3056
Android (android.graphics.Color)	4289087062 (0xFFA64656)
YUV	100.5280, -7.1623, 57.4189
Hunter-Lab	36.2756, 32.9420, 8.5398

Details

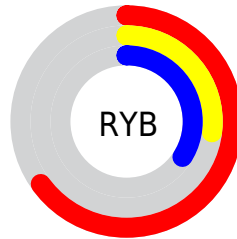
The XYZ color **19.5958, 13.1592, 10.3113** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.6678, 30.7769, 33.6547**, and the grayscale version is **12.2571, 12.8954, 14.0431**.

A 20% lighter version of the original color is **42.1439, 31.5439, 27.1599**, and **7.0015, 3.8167, 2.4655** is the 20% darker color. If you saturate the color by 10%, you get **18.1927, 11.1604, 7.3547**, and if you desaturate by 10%, it is **21.3945, 15.7766, 13.9323**.

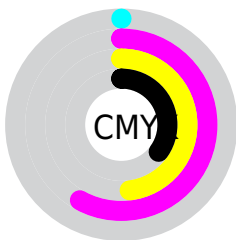
Distribution



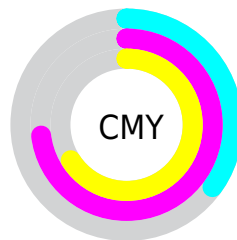
- Red (65%)
- Green (27%)
- Blue (34%)



- Red (65%)
- Yellow (27%)
- Blue (34%)



- Cyan (0%)
- Magenta (58%)
- Yellow (48%)
- Black (35%)



- Cyan (35%)
- Magenta (73%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5958, 13.1592, 10.3113 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 19.5958, 13.1592, 10.3113 by changing the saturation by 10% instead.

■ 19.5958, 13.1592,
10.3113

■ 19.5958, 13.1592,
10.3113

242.5939,
211.9355, 203.4445

■ 12.2081, 7.5383,
5.4975

■ 42.2476, 31.5895,
26.9963

■ 6.9588, 3.8009,
2.4782

■ 58.2424, 45.1676,
39.7047

■ 3.4824, 1.5628,
0.8286

■ 77.8370, 62.1670,
55.8816

■ 1.4137, 0.3324,
0.0000

■ 101.3968, 82.9719,
75.9457

■ 0.2660, 0.0000,
0.0000

■ 129.2870,
107.9668, 100.3155

■ 0.0000, 0.0000,
0.0000

161.8730,

137.5361, 129.4096

199.5202,
172.0642, 163.6464

■ 19.5958, 13.1592,
10.3113

■ 19.5958, 13.1592,
10.3113

■ 18.1927, 11.1604,
7.3547

■ 21.3945, 15.7766,
13.9323

■ 17.1536, 9.7269,
5.0209

■ 23.6150, 19.0558,
18.2544

■ 16.4437, 8.8002,
3.2642

■ 26.2826, 23.0387,
23.3126

■ 16.0079, 8.2824,
2.0282

■ 29.4201, 27.7629,
29.1390

■ 15.9314, 8.1892,
1.8184

■ 33.0488, 33.2636,
35.7642

■ 37.1887, 39.5735,
43.2169

■ 41.8586, 46.7237,
51.5242

■ 47.0765, 54.7433,
60.7123

■ 52.8595, 63.6604,
70.8060

Harmonies

Analogous

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



19.5525, 13.1592, 19.6941



19.5958, 13.1592, 10.3113



17.5270, 13.1592, 5.0903

Triad

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



19.5958, 13.1592, 10.3113



8.6197, 13.1592, 4.9652



10.9026, 13.1592, 39.4402

Complementary

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



19.5958, 13.1592, 10.3113



21.6678, 30.7769, 33.6547

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.



8.5513, 13.1592, 30.8836



19.5958, 13.1592, 10.3113



7.3977, 13.1592, 10.0378

Square

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



19.5958, 13.1592, 10.3113



11.0124, 13.1592, 3.0393



7.3750, 13.1592, 19.2723



14.1319, 13.1592, 39.6214

Rectangle

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



19.5958, 13.1592, 10.3113



15.4060, 13.1592, 3.4822



7.3750, 13.1592, 19.2723



9.9973, 13.1592, 37.3244

Sweetspot

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



19.5961, 13.1599, 10.3115



53.7100, 50.8636, 53.4647



21.6513, 13.6183, 37.5639



11.7582, 10.9880, 11.4835



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.



19.5961, 13.1599, 10.3115



32.4963, 19.5253, 12.2071



21.5833, 18.0527, 8.1422



7.5802, 7.5620, 8.1067



12.3663, 6.3552, 1.4746



0.3153, 0.1604, 0.1120

Inverse Universe

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



19.5961, 13.1599, 10.3115



32.4963, 19.5253, 12.2071



17.9345, 21.1062, 39.2051



7.5802, 7.5620, 8.1067



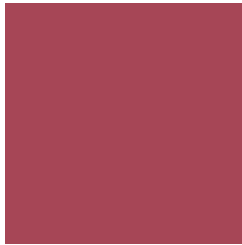
12.3663, 6.3552, 1.4746



0.3153, 0.1604, 0.1120

Previews

White Background



This preview shows how the XYZ color 19.5958, 13.1592, 10.3113 looks on a white background.

Color Contrast Check

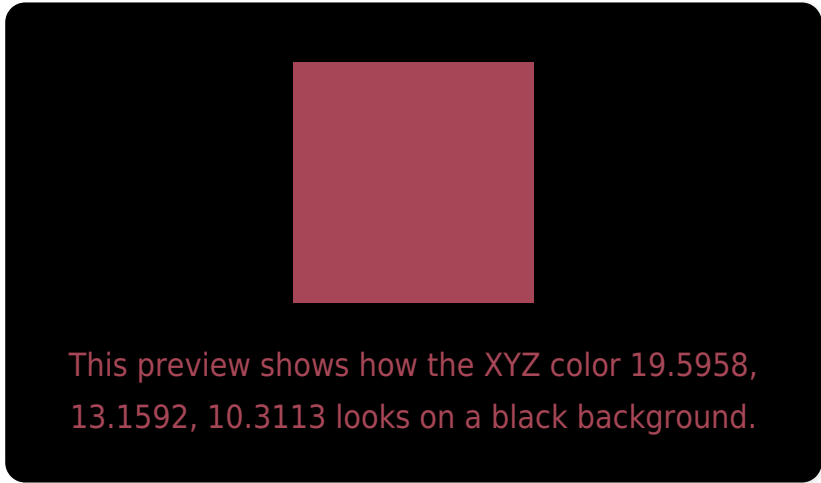
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5958, 13.1592, 10.3113

Background



This preview shows how black text looks on a background with the XYZ color 19.5958, 13.1592, 10.3113.



This preview shows how white text looks on a background with the XYZ color 19.5958, 13.1592,

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

19.5958, 13.1592, 10.3113

Protanopia

12.8586, 13.4051, 14.4801

Deuteranopia

13.4984, 13.2665, 9.8319



Tritanopia

19.1389, 13.1559, 8.3681

Trichromacy



Original Color

19.5958, 13.1592, 10.3113

Protanomaly

14.5199, 12.6689, 12.7464

Deuteranomaly

15.2044, 12.8382, 9.8603

Tritanomaly

19.2183, 13.0850, 9.1022

Monochromacy



Original Color

19.5958, 13.1592, 10.3113

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.2249, 12.5168, 12.7326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5958, 13.1592, 10.3113 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, 70, 86)` looks like.

```
.text, #text, p{  
    color:rgb(166, 70, 86)  
}
```

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, 70, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 70, 86) }
```

Border

The CSS property to change the border of an element to XYZ 19.5958, 13.1592, 10.3113 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, 70, 86) }
```


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

```
.border{ border-color:rgb(166, 70, 86) }
```

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

Here you see how a box with a 4 pixel rgb(166, 70, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 70, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 70, 86);  
box-shadow:4px 4px 4px 4px rgb(166, 70,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5958, 13.1592, 10.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 70, 86) }
```

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

```
.background{ background-color: rgb(166, 70,  
86) }
```

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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