

Converting Colors

XYZ(20.3341, 13.2298, 12.7133)

Have a look what the booklet for
XYZ(20.3341, 13.2298, 12.7133)
contains.

XYZ(20.3133, 13.2022, 12.7869)	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(20.3133, 13.2022,
12.7869)**

Conversions

Conversions Part 1

Format	Color
Hex	A84361
RGB	168, 67, 97
RGB Percent	66%, 26%, 38%
CMY	0.3412, 0.7372, 0.6196
CMYK	0.00, 0.60, 0.42, 0.34
HSL	342°, 43%, 46%
HSV	342°, 60%, 66%
XYZ	20.3133, 13.2022, 12.7869
YIQ	100.6190, 50.5660, 30.7420

Conversions

Conversions Part 2

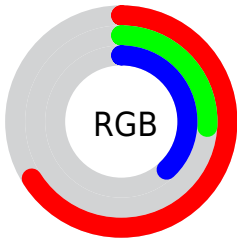
Format	Color
RYB	168, 67, 97
Decimal	11027297
CIELab	43.07, 44.34, 3.90
CIElCh	43, 44.515, 5.023
Yxy	13.2022, 0.4387, 0.2851
Android (android.graphics.Color)	4289217377 (0xFFA84361)
YUV	100.6190, -1.7842, 59.0931
Hunter-Lab	36.3348, 36.2060, 4.5691

Details

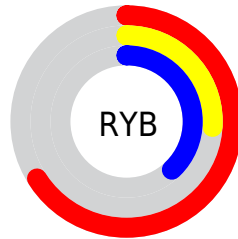
The XYZ color **20.3133, 13.2022, 12.7869** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.9056, 31.0339, 28.9351**, and the grayscale version is **12.2674, 12.9062, 14.0549**.

A 20% lighter version of the original color is **43.3470, 31.7083, 31.4394**, and **7.3556, 3.8357, 3.4847** is the 20% darker color. If you saturate the color by 10%, you get **18.9451, 11.2826, 9.8132**, and if you desaturate by 10%, it is **22.0539, 15.7354, 16.2896**.

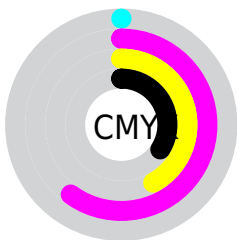
Distribution



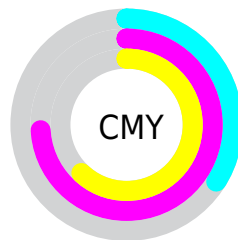
- Red (66%)
- Green (26%)
- Blue (38%)



- Red (66%)
- Yellow (26%)
- Blue (38%)



- Cyan (0%)
- Magenta (60%)
- Yellow (42%)
- Black (34%)



- Cyan (34%)
- Magenta (74%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3133, 13.2022, 12.7869 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 20.3133, 13.2022, 12.7869 by changing the saturation by 10% instead.

■ 20.3133, 13.2022,
12.7869

■ 20.3133, 13.2022,
12.7869

246.4075,
212.2095, 220.7070

■ 12.7326, 7.5679,
7.1530

■ 43.4418, 31.6666,
31.6060

■ 7.3204, 3.8197,
3.4781

■ 59.7202, 45.2655,
45.6282

■ 3.7114, 1.5732,
1.3436

■ 79.6287, 62.2880,
63.2836

■ 1.5402, 0.3395,
0.0971

■ 103.5324, 83.1186,
84.9907

■ 0.3529, 0.0000,
0.0000

■ 131.7968,
108.1417, 111.1680

■ 0.0000, 0.0000,
0.0000

164.7872,

137.7416, 142.2342

202.8690,
172.3027, 178.6077

■ 20.3133, 13.2022,
12.7869

■ 20.3133, 13.2022,
12.7869

■ 18.9451, 11.2826,
9.8132

■ 22.0539, 15.7354,
16.2896

■ 17.9189, 9.9213,
7.3401

■ 24.1920, 18.9270,
20.3459

■ 17.2006, 9.0567,
5.3372

■ 26.7516, 22.8200,
24.9798

■ 16.7219, 8.5542,
3.7755

■ 29.7546, 27.4530,
30.2135

■ 33.2212, 32.8620,
36.0681

■ 37.1704, 39.0805,
42.5633

■ 41.6201, 46.1400,
49.7184

■ 46.5872, 54.0705,
57.5514

■ 52.0880, 62.9003,
66.0800

Harmonies

Analogous

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



19.5103, 13.2022, 23.8941



20.3133, 13.2022, 12.7869



18.7470, 13.2022, 6.0436

Triad

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



20.3133, 13.2022, 12.7869



9.1372, 13.2022, 3.8045



9.9692, 13.2022, 39.1271

Complementary

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



20.3133, 13.2022, 12.7869



20.9056, 31.0339, 28.9351

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.



7.8931, 13.2022, 28.1340



20.3133, 13.2022, 12.7869



7.4776, 13.2022, 7.7940

Square

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



20.3133, 13.2022, 12.7869



11.9808, 13.2022, 2.5868



7.0673, 13.2022, 16.0893



13.1334, 13.2022, 42.5161

Rectangle

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



20.3133, 13.2022, 12.7869



16.7122, 13.2022, 3.8009



7.0673, 13.2022, 16.0893



9.1407, 13.2022, 36.0130

Sweetspot

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



20.3137, 13.2029, 12.7871



55.0545, 51.4648, 56.6399



19.5073, 12.2200, 38.3764



11.6392, 10.6577, 11.7281



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.



20.3137, 13.2029, 12.7871



33.7168, 19.5765, 16.2723



20.5865, 15.5797, 7.2332



7.6194, 7.5776, 8.3129



12.6479, 6.4679, 2.9573



0.3299, 0.1662, 0.1887

Inverse Universe

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



20.3137, 13.2029, 12.7871



33.7168, 19.5765, 16.2723



19.9418, 25.1382, 40.8470



7.6194, 7.5776, 8.3129



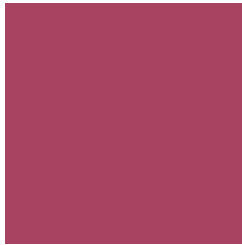
12.6479, 6.4679, 2.9573



0.3299, 0.1662, 0.1887

Previews

White Background



This preview shows how the XYZ color 20.3133, 13.2022, 12.7869 looks on a white background.

Color Contrast Check

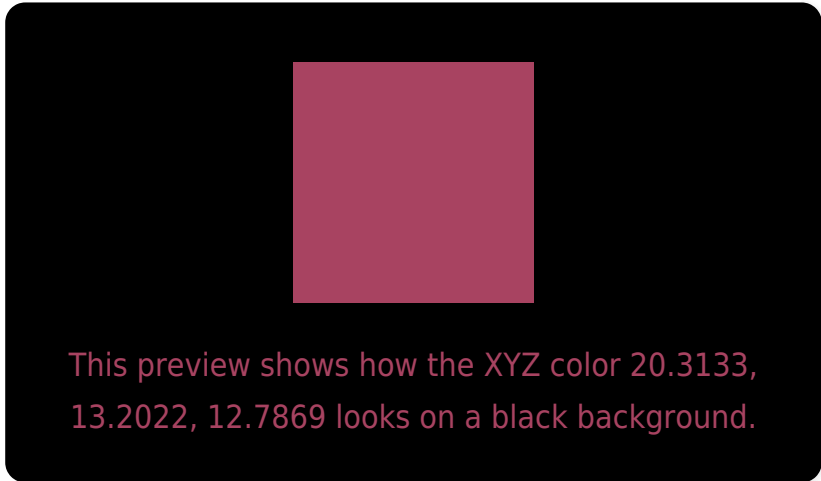
Large Text (above 18pt) WCAG AA ✓ Pass

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

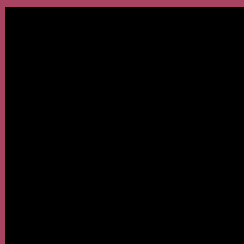
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3133, 13.2022, 12.7869

Background



This preview shows how black text looks on a background with the XYZ color 20.3133, 13.2022, 12.7869.

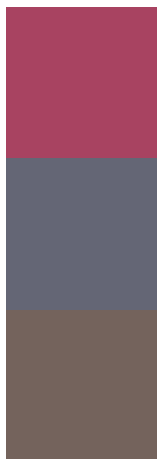


This preview shows how white text looks on a background with the XYZ color 20.3133, 13.2022,

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

20.3133, 13.2022, 12.7869

Protanopia

13.2178, 13.4964, 18.7380

Deuteranopia

13.5961, 13.4094, 11.9969



Tritanopia

19.4941, 13.2438, 8.3663

Trichromacy



Original Color

20.3133, 13.2022, 12.7869

Protanomaly

14.8443, 12.6305, 16.4074

Deuteranomaly

15.4202, 12.7754, 12.2428

Tritanomaly

19.7267, 13.2359, 9.9026

Monochromacy



Original Color

20.3133, 13.2022, 12.7869

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.3301, 12.4248, 13.6995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3133, 13.2022, 12.7869 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(168, 67, 97)` looks like.

```
.text, #text, p{  
  color:rgb(168, 67, 97)  
}
```

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(168, 67, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 67, 97) }
```

Border

The CSS property to change the border of an element to XYZ 20.3133, 13.2022, 12.7869 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(168, 67, 97) }
```


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

```
.border{ border-color:rgb(168, 67, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 67, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 67, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 67, 97);  
box-shadow:4px 4px 4px 4px rgb(168, 67,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3133, 13.2022, 12.7869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 67, 97) }
```

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

```
.background{ background-color: rgb(168, 67,  
97) }
```

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