

Converting Colors

XYZ(20.7917, 13.2707, 12.7001)

Have a look what the booklet for
XYZ(20.7917, 13.2707, 12.7001)
contains.

XYZ(20.8426, 13.3016, 12.7782)	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(20.8426, 13.3016,
12.7782)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4161
RGB	171, 65, 97
RGB Percent	67%, 25%, 38%
CMY	0.3294, 0.7451, 0.6196
CMYK	0.00, 0.62, 0.43, 0.33
HSL	342°, 45%, 46%
HSV	342°, 62%, 67%
XYZ	20.8426, 13.3016, 12.7782
YIQ	100.3420, 52.9040, 32.4240

Conversions

Conversions Part 2

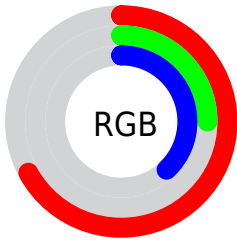
Format	Color
R_{YB}	171, 65, 97
Decimal	11223393
CIE Lab	43.21, 46.28, 4.17
CIE LCh	43, 46.468, 5.154
Yxy	13.3016, 0.4442, 0.2835
Android (android.graphics.Color)	4289413473 (0xFFAB4161)
YUV	100.3420, -1.6476, 61.9671
Hunter-Lab	36.4714, 38.1840, 4.7570

Details

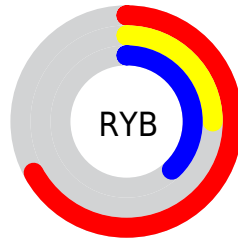
The XYZ color **20.8426, 13.3016, 12.7782** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.4039, 32.1141, 29.4989**, and the grayscale version is **12.1956, 12.8308, 13.9727**.

A 20% lighter version of the original color is **44.3780, 31.8864, 31.4195**, and **7.5478, 3.8381, 3.4750** is the 20% darker color. If you saturate the color by 10%, you get **19.4899, 11.4210, 9.7845**, and if you desaturate by 10%, it is **22.5769, 15.8114, 16.3127**.

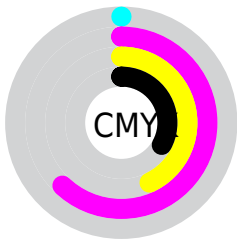
Distribution



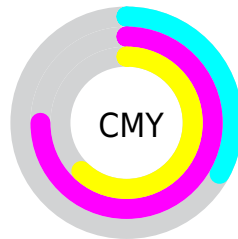
- Red (67%)
- Green (25%)
- Blue (38%)



- Red (67%)
- Yellow (25%)
- Blue (38%)



- Cyan (0%)
- Magenta (62%)
- Yellow (43%)
- Black (33%)





- Cyan (33%)
- Magenta (75%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8426, 13.3016, 12.7782 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 20.8426, 13.3016, 12.7782 by changing the saturation by 10% instead.


 20.8426, 13.3016,
12.7782


 20.8426, 13.3016,
12.7782


249.1884,
212.8416, 220.6489


 13.1208, 7.6366,
7.1471


 44.3187, 31.8446,
31.5901


 7.5894, 3.8633,
3.4744


 60.8037, 45.4913,
45.6079


 3.8829, 1.5974,
1.3417

 80.9404, 62.5673,
63.2583

 1.6361, 0.3558,
0.0956

 105.0944, 83.4571,
84.9599

 0.4158, 0.0000,
0.0000

 133.6307,
108.5451, 111.1312

 0.0000, 0.0000,
0.0000

166.9150,

138.2155, 142.1908

205.3124,
172.8529, 178.5572

■ 20.8426, 13.3016,
12.7782

■ 20.8426, 13.3016,
12.7782

■ 19.4899, 11.4210,
9.7845

■ 22.5769, 15.8114,
16.3127

■ 18.4863, 10.1105,
7.3020

■ 24.7197, 18.9982,
20.4138

■ 17.7950, 9.3031,
5.2989

■ 27.2963, 22.9078,
25.1065

■ 17.4058, 8.9024,
4.0047

■ 30.3297, 27.5812,
30.4138

■ 33.8415, 33.0564,
36.3576

■ 37.8514, 39.3687,
42.9585

■ 42.3785, 46.5516,
50.2363

■ 47.4405, 54.6364,
58.2099

■ 53.0543, 63.6531,
66.8975

Harmonies

Analogous

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



20.0012, 13.3016, 24.4832



20.8426, 13.3016, 12.7782



19.1707, 13.3016, 5.8198

Triad

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



20.8426, 13.3016, 12.7782



9.0691, 13.3016, 3.5847



9.9576, 13.3016, 40.8617

Complementary

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



20.8426, 13.3016, 12.7782



21.4039, 32.1141, 29.4989

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.



7.7957, 13.3016, 29.1148



20.8426, 13.3016, 12.7782



7.3548, 13.3016, 7.6615

Square

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



20.8426, 13.3016, 12.7782



12.0325, 13.3016, 2.3663



6.9371, 13.3016, 16.3335



13.2733, 13.3016, 44.4574

Rectangle

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



20.8426, 13.3016, 12.7782



17.0129, 13.3016, 3.5607



6.9371, 13.3016, 16.3335



9.0935, 13.3016, 37.5311

Sweetspot

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



20.8430, 13.3023, 12.7784



55.9000, 51.8513, 57.1767



19.6294, 12.0768, 39.8246



12.0955, 10.9880, 12.1163



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.8430, 13.3023, 12.7784



34.2416, 19.5665, 15.9470



20.9534, 15.4486, 6.8795



8.1010, 8.0537, 8.8429



13.1423, 6.7195, 3.1289



0.3902, 0.1967, 0.2163

Inverse Universe

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



20.8430, 13.3023, 12.7784



34.2416, 19.5665, 15.9470



20.6893, 26.3808, 42.5297



8.1010, 8.0537, 8.8429



13.1423, 6.7195, 3.1289



0.3902, 0.1967, 0.2163

Previews

White Background



This preview shows how the XYZ color 20.8426, 13.3016, 12.7782 looks on a white background.

Color Contrast Check

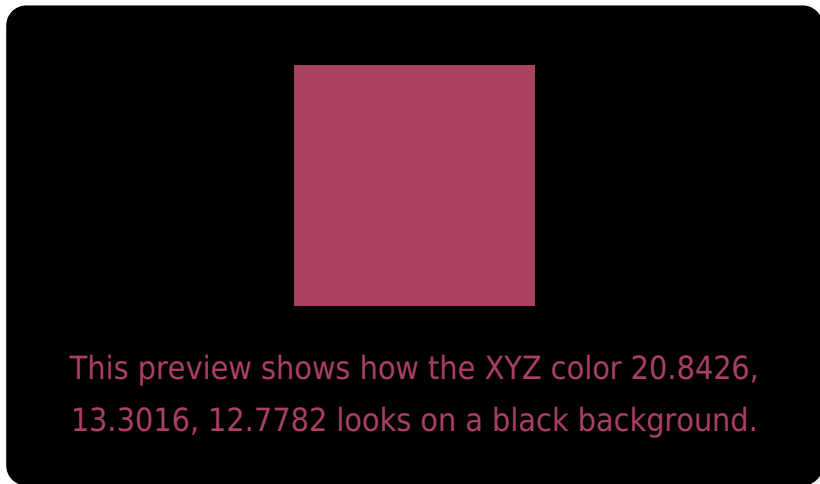
Large Text (above 18pt) WCAG AA ✓ Pass

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

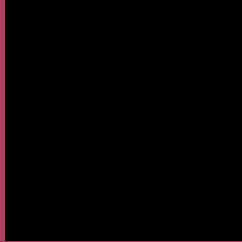
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8426, 13.3016, 12.7782

Background



This preview shows how black text looks on a background with the XYZ color 20.8426, 13.3016, 12.7782.

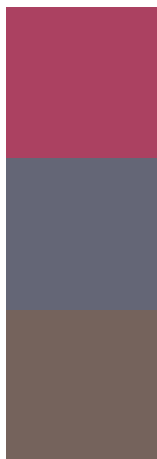


This preview shows how white text looks on a background with the XYZ color 20.8426, 13.3016,

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

20.8426, 13.3016, 12.7782

Protanopia

13.2769, 13.5201, 19.0494

Deuteranopia

13.7297, 13.4783, 12.0032



Tritanopia

19.7884, 13.3097, 8.0046

Trichromacy



Original Color

20.8426, 13.3016, 12.7782

Protanomaly

14.9910, 12.7062, 16.4143

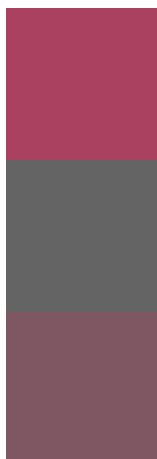
Deuteranomaly

15.7451, 12.9429, 12.2580

Tritanomaly

20.1677, 13.2895, 9.4848

Monochromacy



Original Color

20.8426, 13.3016, 12.7782

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.2645, 12.1529, 13.3983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8426, 13.3016, 12.7782 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(171, 65, 97)` looks like.

```
.text, #text, p{  
    color:rgb(171, 65, 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(171, 65, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 65, 97) }
```

Border

The CSS property to change the border of an element to XYZ 20.8426, 13.3016, 12.7782 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(171, 65, 97) }
```


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

```
.border{ border-color:rgb(171, 65, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 65, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 65, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 65, 97);  
box-shadow:4px 4px 4px 4px rgb(171, 65,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8426, 13.3016, 12.7782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 65, 97) }
```

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

```
.background{ background-color: rgb(171, 65,  
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](#).

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