

Converting Colors

XYZ(20.8822, 12.3299, 16.0312)

Have a look what the booklet for
XYZ(20.8822, 12.3299, 16.0312)
contains.

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Color

**XYZ(20.8822, 12.3299,
16.0312)**

Conversions

Conversions Part 1

Format	Color
Hex	AB356E
RGB	171, 53, 110
RGB Percent	67%, 21%, 43%
CMY	0.3294, 0.7921, 0.5686
CMYK	0.00, 0.69, 0.36, 0.33
HSL	331°, 53%, 44%
HSV	331°, 69%, 67%
XYZ	20.8822, 12.3299, 16.0312
YIQ	94.7800, 52.0310, 42.7430

Conversions

Conversions Part 2

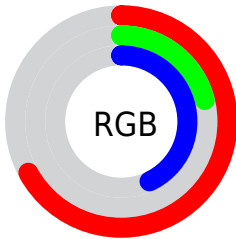
Format	Color
R_{YB}	171, 53, 110
Decimal	11220334
CIE Lab	41.74, 52.84, -6.06
CIE LCh	42, 53.191, 353.454
Yxy	12.3299, 0.4241, 0.2504
Android (android.graphics.Color)	4289410414 (0xFFAB356E)
YUV	94.7800, 7.5035, 66.8449
Hunter-Lab	35.1140, 44.7042, -2.4889

Details

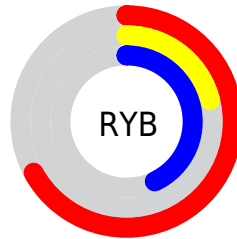
The XYZ color **20.8822, 12.3299, 16.0312** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.0691, 31.0980, 20.9189**, and the grayscale version is **10.7992, 11.3616, 12.3728**.

A 20% lighter version of the original color is **44.5173, 30.1568, 37.6569**, and **7.8366, 3.9363, 5.0494** is the 20% darker color. If you saturate the color by 10%, you get **19.7795, 10.8568, 13.4062**, and if you desaturate by 10%, it is **22.3117, 14.3797, 19.0023**.

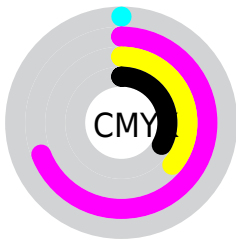
Distribution



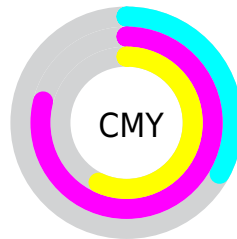
- Red (67%)
- Green (21%)
- Blue (43%)



- Red (67%)
- Yellow (21%)
- Blue (43%)



- Cyan (0%)
- Magenta (69%)
- Yellow (36%)
- Black (33%)





- Cyan (33%)
- Magenta (79%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8822, 12.3299, 16.0312 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 20.8822, 12.3299, 16.0312 by changing the saturation by 10% instead.

 20.8822, 12.3299,
16.0312


 20.8822, 12.3299,
16.0312


249.3954,
206.5772, 241.3777


 13.1499, 6.9688,
9.3916

 44.3842, 30.0945,
37.4199


 7.6096, 3.4426,
4.8972


 60.8845, 43.2668,
53.0061


 3.8958, 1.3669,
2.1294

 81.0383, 59.8117,
72.4117

 1.6434, 0.1922,
0.6332

 105.2108, 80.1134,
96.0550

 0.4204, 0.0000,
0.0000

 133.7674,
104.5564, 124.3548

 0.0000, 0.0000,
0.0000

 167.0734,

133.5251, 157.7295

205.4943,
167.4039, 196.5976

■ 20.8822, 12.3299,
16.0312

■ 20.8822, 12.3299,
16.0312

■ 19.7795, 10.8568,
13.4062

■ 22.3117, 14.3797,
19.0023

■ 18.9701, 9.8955,
11.1089

■ 24.0949, 17.0580,
22.3348

■ 18.3931, 9.3270,
9.1119

■ 26.2570, 20.4129,
26.0435

■ 18.3405, 9.2763,
8.9262

■ 28.8203, 24.4873,
30.1420

■ 31.8056, 29.3205,
34.6432

■ 35.2319, 34.9489,
39.5591

■ 39.1171, 41.4068,
44.9012

■ 43.4783, 48.7260,
50.6806

■ 48.3314, 56.9371,
56.9078

Harmonies

Analogous

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



18.8521, 12.3299, 30.7505



20.8822, 12.3299, 16.0312



20.0529, 12.3299, 6.5522

Triad

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



20.8822, 12.3299, 16.0312



8.9756, 12.3299, 1.7788



7.7899, 12.3299, 39.1987

Complementary

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



20.8822, 12.3299, 16.0312



19.0691, 31.0980, 20.9189

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.



6.0889, 12.3299, 23.9415



20.8822, 12.3299, 16.0312



6.6595, 12.3299, 4.2551

Square

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



20.8822, 12.3299, 16.0312



12.5969, 12.3299, 1.3862



5.7267, 12.3299, 11.1181



10.8832, 12.3299, 48.1645

Rectangle

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



20.8822, 12.3299, 16.0312



18.0644, 12.3299, 3.3970



5.7267, 12.3299, 11.1181



7.0668, 12.3299, 34.3326

Sweetspot

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



20.8826, 12.3306, 16.0314



55.6251, 50.3341, 60.0677



15.5596, 9.0625, 39.4574



12.0800, 10.6980, 12.9091



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.



20.8826, 12.3306, 16.0314



34.5707, 18.3973, 21.6905



18.8023, 11.6449, 4.6256



8.1603, 8.0774, 9.1552



13.8524, 7.0035, 6.8680



0.4131, 0.2059, 0.3372

Inverse Universe

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



20.8826, 12.3306, 16.0314



34.5707, 18.3973, 21.6905



23.0135, 32.0858, 43.5085



8.1603, 8.0774, 9.1552



13.8524, 7.0035, 6.8680



0.4131, 0.2059, 0.3372

Previews

White Background



This preview shows how the XYZ color 20.8822, 12.3299, 16.0312 looks on a white background.

Color Contrast Check

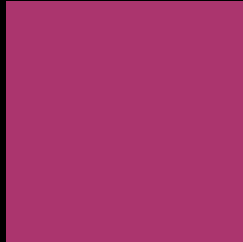
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.8822, 12.3299, 16.0312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

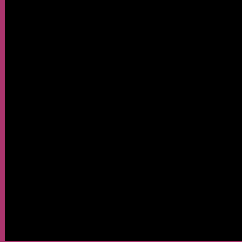
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8822, 12.3299, 16.0312

Background



This preview shows how black text looks on a background with the XYZ color 20.8822, 12.3299, 16.0312.



This preview shows how white text looks on a background with the XYZ color 20.8822, 12.3299,

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

20.8822, 12.3299, 16.0312

Protanopia

12.9391, 12.6072, 26.5624

Deuteranopia

12.7450, 12.4910, 14.8360



Tritanopia

19.0252, 12.4090, 6.8613

Trichromacy



Original Color

20.8822, 12.3299, 16.0312

Protanomaly

14.3159, 11.4015, 22.2151

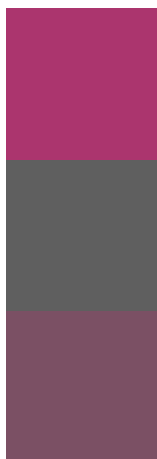
Deuteranomaly

14.6761, 11.5238, 15.0865

Tritanomaly

19.5394, 12.2913, 9.5262

Monochromacy



Original Color

20.8822, 12.3299, 16.0312

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.3373, 10.8684, 13.4514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8822, 12.3299, 16.0312 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, 53, 110)` looks like.

```
.text, #text, p{  
    color:rgb(171, 53, 110)  
}
```

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, 53, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 53, 110) }
```

Border

The CSS property to change the border of an element to XYZ 20.8822, 12.3299, 16.0312 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, 53, 110) }
```


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

```
.border{ border-color:rgb(171, 53, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 53, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 53, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 53, 110);  
box-shadow:4px 4px 4px 4px rgb(171, 53,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8822, 12.3299, 16.0312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 53, 110) }
```

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

```
.background{ background-color: rgb(171, 53,  
110) }
```

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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