

Converting Colors

XYZ(21.0138, 12.3064, 20.0175)

Have a look what the booklet for
XYZ(21.0138, 12.3064, 20.0175)
contains.

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Color

**XYZ(20.9967, 12.3011,
20.0066)**

Conversions

Conversions Part 1

Format	Color
Hex	A8357B
RGB	168, 53, 123
RGB Percent	66%, 21%, 48%
CMY	0.3412, 0.7921, 0.5176
CMYK	0.00, 0.68, 0.27, 0.34
HSL	323°, 52%, 43%
HSV	323°, 68%, 66%
XYZ	20.9967, 12.3011, 20.0066
YIQ	95.3650, 46.0700, 46.1500

Conversions

Conversions Part 2

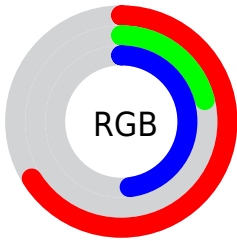
Format	Color
R_{YB}	168, 53, 123
Decimal	11023739
CIE _{Lab}	41.69, 53.59, -14.24
CIE _{LCh}	42, 55.447, 345.124
Yxy	12.3011, 0.3939, 0.2308
Android (android.graphics.Color)	4289213819 (0xFFA8357B)
YUV	95.3650, 13.6241, 63.7009
Hunter-Lab	35.0729, 45.4829, -9.2697

Details

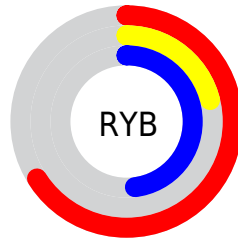
The XYZ color **20.9967, 12.3011, 20.0066** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.6761, 29.6444, 16.3472**, and the grayscale version is **10.9260, 11.4950, 12.5181**.

A 20% lighter version of the original color is **44.5631, 30.0285, 44.5216**, and **7.9181, 3.9392, 6.8216** is the 20% darker color. If you saturate the color by 10%, you get **19.9629, 10.8700, 17.6992**, and if you desaturate by 10%, it is **22.3273, 14.2813, 22.5495**.

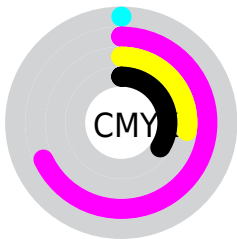
Distribution



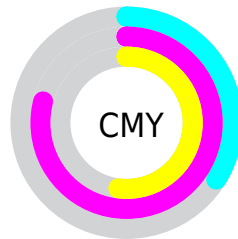
- Red (66%)
- Green (21%)
- Blue (48%)



- Red (66%)
- Yellow (21%)
- Blue (48%)



- Cyan (0%)
- Magenta (68%)
- Yellow (27%)
- Black (34%)




- Cyan (34%)
- Magenta (79%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9967, 12.3011, 20.0066 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 20.9967, 12.3011, 20.0066 by changing the saturation by 10% instead.


 20.9967, 12.3011,
20.0066


 20.9967, 12.3011,
20.0066


249.9930,
206.3886, 264.5563


 13.2340, 6.9491,
12.2157


 44.5734, 30.0423,
44.2874


 7.6680, 3.4303,
6.7664


 61.1181, 43.2003,
61.6143


 3.9333, 1.3603,
3.2402

 81.3208, 59.7291,
82.9571

 1.6645, 0.1872,
1.2186

 105.5470, 80.0131,
108.7341

 0.4339, 0.0000,
0.0000

 134.1620,
104.4366, 139.3640

 0.0000, 0.0000,
0.0000

 167.5310,

133.3841, 175.2653

206.0196,
167.2400, 216.8566

■ 20.9967, 12.3011,
20.0066

■ 20.9967, 12.3011,
20.0066

■ 19.9629, 10.8700,
17.6992

■ 22.3273, 14.2813,
22.5495

■ 19.1947, 9.9270,
15.6140

■ 23.9795, 16.8595,
25.3384

■ 18.6389, 9.3663,
13.7306

■ 25.9763, 20.0812,
28.3838

■ 18.5596, 9.2893,
13.4523

■ 28.3385, 23.9870,
31.6948

■ 31.0850, 28.6140,
35.2803

■ 34.2335, 33.9968,
39.1484

■ 37.8006, 40.1677,
43.3069

■ 41.8016, 47.1569,
47.7633

■ 46.2515, 54.9934,
52.5245

Harmonies

Analogous

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



18.1559, 12.3011, 36.2290



20.9967, 12.3011, 20.0066



20.9838, 12.3011, 8.3586

Triad

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



20.9967, 12.3011, 20.0066



9.7677, 12.3011, 1.3196



6.9961, 12.3011, 36.3619

Complementary

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



20.9967, 12.3011, 20.0066



17.6761, 29.6444, 16.3472

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.



5.6503, 12.3011, 20.1289



20.9967, 12.3011, 20.0066



6.9792, 12.3011, 2.9908

Square

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



20.9967, 12.3011, 20.0066



13.8169, 12.3011, 1.3143



5.6449, 12.3011, 8.4270



9.7967, 12.3011, 48.7995

Rectangle

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



20.9967, 12.3011, 20.0066



19.3263, 12.3011, 4.1981



5.6449, 12.3011, 8.4270



6.3906, 12.3011, 30.8558

Sweetspot

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



20.9971, 12.3017, 20.0068



54.8701, 49.3188, 62.0577



13.2804, 7.9202, 37.8747



11.6706, 10.2624, 13.1508



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.



20.9971, 12.3017, 20.0068



35.4641, 18.7567, 30.1556



18.4178, 11.2700, 6.4244



7.7157, 7.6161, 8.8199



14.0411, 7.0252, 10.2940



0.3656, 0.1805, 0.3769

Inverse Universe

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



20.9971, 12.3017, 20.0068



35.4641, 18.7567, 30.1556



21.3528, 31.1150, 35.7080



7.7157, 7.6161, 8.8199



14.0411, 7.0252, 10.2940



0.3656, 0.1805, 0.3769

Previews

White Background



This preview shows how the XYZ color 20.9967, 12.3011, 20.0066 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

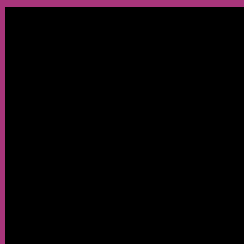
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9967, 12.3011, 20.0066

Background



This preview shows how black text looks on a background with the XYZ color 20.9967, 12.3011, 20.0066.



This preview shows how white text looks on a background with the XYZ color 20.9967, 12.3011,

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

20.9967, 12.3011, 20.0066

Protanopia

13.4173, 12.5694, 33.1715

Deuteranopia

12.7411, 12.5431, 18.5791



Tritanopia

18.4543, 12.3618, 7.3746

Trichromacy



Original Color

20.9967, 12.3011, 20.0066

Protanomaly

14.5320, 11.2780, 27.7965

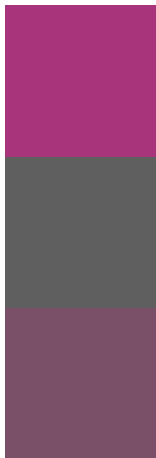
Deuteranomaly

14.7297, 11.5767, 18.9110

Tritanomaly

19.0851, 12.1828, 11.0185

Monochromacy



Original Color

20.9967, 12.3011, 20.0066

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.4445, 10.8948, 14.7589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9967, 12.3011, 20.0066 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, 53, 123)` looks like.

```
.text, #text, p{  
    color:rgb(168, 53, 123)  
}
```

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, 53, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 53, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.9967, 12.3011, 20.0066 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, 53, 123) }
```


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

```
.border{ border-color:rgb(168, 53, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 53, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 53, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 53, 123);  
box-shadow:4px 4px 4px 4px rgb(168, 53,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9967, 12.3011, 20.0066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 53, 123) }
```

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

```
.background{ background-color: rgb(168, 53,  
123) }
```

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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