

Converting Colors

XYZ(21.0158, 11.2510, 16.7700)

Have a look what the booklet for
XYZ(21.0158, 11.2510, 16.7700)
contains.

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Color

**XYZ(20.9527, 11.2239,
16.6849)**

Conversions

Conversions Part 1

Format	Color
Hex	AE2071
RGB	174, 32, 113
RGB Percent	68%, 13%, 44%
CMY	0.3176, 0.8745, 0.5569
CMYK	0.00, 0.82, 0.35, 0.32
HSL	326°, 69%, 40%
HSV	326°, 82%, 68%
XYZ	20.9527, 11.2239, 16.6849
YIQ	83.6920, 58.6310, 55.2950

Conversions

Conversions Part 2

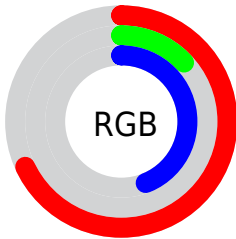
Format	Color
RYB	174, 32, 113
Decimal	11411569
CIELab	39.96, 60.86, -10.55
CIELCh	40, 61.766, 350.165
Yxy	11.2239, 0.4288, 0.2297
Android (android.graphics.Color)	4289601649 (0xFFAE2071)
YUV	83.6920, 14.4488, 79.2001
Hunter-Lab	33.5021, 53.0079, -6.0765

Details

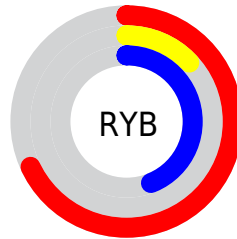
The XYZ color **20.9527, 11.2239, 16.6849** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.7083, 31.3699, 15.4799**, and the grayscale version is **8.3272, 8.7609, 9.5406**.

A 20% lighter version of the original color is **44.3985, 28.0457, 38.6706**, and **8.1566, 4.0947, 5.3615** is the 20% darker color. If you saturate the color by 10%, you get **20.1978, 10.3602, 14.4417**, and if you desaturate by 10%, it is **21.9902, 12.5974, 19.1935**.

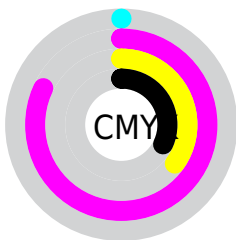
Distribution



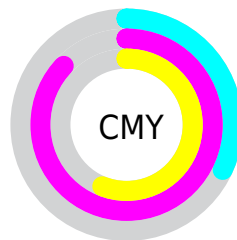
- Red (68%)
- Green (13%)
- Blue (44%)



- Red (68%)
- Yellow (13%)
- Blue (44%)



- Cyan (0%)
- Magenta (82%)
- Yellow (35%)
- Black (32%)



- Cyan (32%)
- Magenta (87%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9527, 11.2239, 16.6849 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 20.9527, 11.2239, 16.6849 by changing the saturation by 10% instead.

■ 20.9527, 11.2239,
16.6849

■ 20.9527, 11.2239,
16.6849

249.7635,
199.1973, 245.3321

■ 13.2017, 6.2176,
9.8505

■ 44.5007, 28.0735,
38.5664

■ 7.6455, 2.9779,
5.1956

■ 61.0283, 40.6855,
54.4506

■ 3.9189, 1.1202,
2.3018

■ 81.2123, 56.6017,
74.1885

■ 1.6563, 0.0000,
0.7322

■ 105.4179, 76.2063,
98.1986

■ 0.4287, 0.0000,
0.0000

■ 134.0104, 99.8838,
126.8995

■ 0.0000, 0.0000,
0.0000

■ 167.3553,

128.0185, 160.7097

205.8179,
160.9949, 200.0477

■ 20.9527, 11.2239,
16.6849

■ 20.9527, 11.2239,
16.6849

■ 20.1978, 10.3602,
14.4417

■ 21.9902, 12.5974,
19.1935

■ 19.7196, 9.9043,
12.7392

■ 23.3445, 14.5477,
21.9826

■ 25.0455, 17.1333,
25.0662

■ 27.1192, 20.4051,
28.4565

■ 29.5890, 24.4089,
32.1651

■ 32.4764, 29.1863,
36.2025

■ 35.8012, 34.7758,
40.5788

■ 39.5819, 41.2134,
45.3034

■ 43.8359, 48.5330,
50.3854

Harmonies

Analogous

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



18.2805, 11.2239, 34.2670



20.9527, 11.2239, 16.6849



20.3594, 11.2239, 5.7838

Triad

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



20.9527, 11.2239, 16.6849



8.0847, 11.2239, 0.7626



6.2319, 11.2239, 40.5592

Complementary

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



20.9527, 11.2239, 16.6849



17.7083, 31.3699, 15.4799

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.



4.6756, 11.2239, 22.2298



20.9527, 11.2239, 16.6849



5.5308, 11.2239, 2.5083

Square

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



20.9527, 11.2239, 16.6849



12.1301, 11.2239, 0.5614



4.4587, 11.2239, 8.6339



9.3283, 11.2239, 53.0064

Rectangle

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



20.9527, 11.2239, 16.6849



18.2371, 11.2239, 2.4725



4.4587, 11.2239, 8.6339



5.5504, 11.2239, 34.4731

Sweetspot

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



20.9530, 11.2245, 16.6851



57.3524, 50.3497, 63.5400



12.4882, 6.3225, 40.6066



12.3373, 10.5122, 13.5509



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.9530, 11.2245, 16.6851



35.8360, 18.0709, 23.2147



18.4240, 10.2129, 3.3676



8.1894, 8.0890, 9.3083



14.3330, 7.1957, 9.3987



0.4254, 0.2109, 0.4021

Inverse Universe

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



20.9530, 11.2245, 16.6851



35.8360, 18.0709, 23.2147



22.2686, 33.1940, 39.4940



8.1894, 8.0890, 9.3083



14.3330, 7.1957, 9.3987



0.4254, 0.2109, 0.4021

Previews

White Background



This preview shows how the XYZ color 20.9527, 11.2239, 16.6849 looks on a white background.

Color Contrast Check

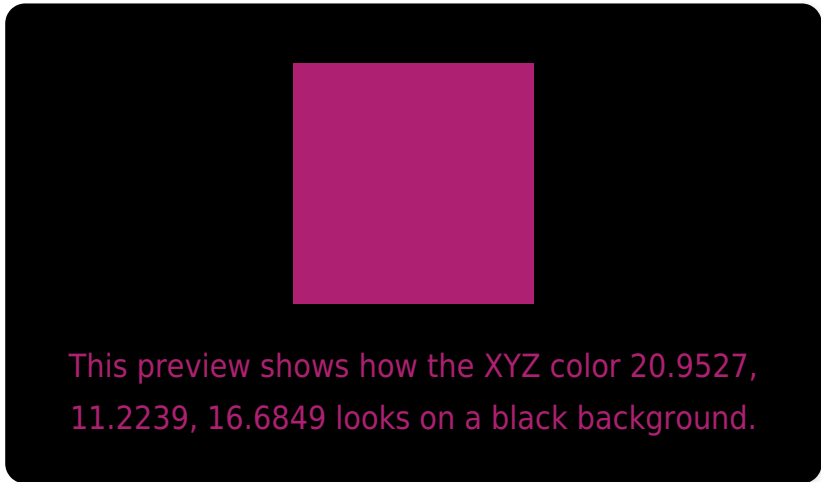
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9527, 11.2239, 16.6849

Background



This preview shows how black text looks on a background with the XYZ color 20.9527, 11.2239, 16.6849.



This preview shows how white text looks on a background with the XYZ color 20.9527, 11.2239,

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

20.9527, 11.2239, 16.6849

Protanopia

12.5079, 11.7162, 32.1741

Deuteranopia

11.7714, 11.5786, 15.2501



Tritanopia

18.4951, 11.2779, 4.8165

Trichromacy



Original Color

20.9527, 11.2239, 16.6849

Protanomaly

13.2201, 9.6218, 25.5865

Deuteranomaly

13.7660, 10.1226, 15.6963

Tritanomaly

19.0375, 11.0565, 7.9682

Monochromacy



Original Color

20.9527, 11.2239, 16.6849

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.2920, 8.3887, 11.8505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9527, 11.2239, 16.6849 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(174, 32, 113)` looks like.

```
.text, #text, p{  
    color:rgb(174, 32, 113)  
}
```

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(174, 32, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 32, 113) }
```

Border

The CSS property to change the border of an element to XYZ 20.9527, 11.2239, 16.6849 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(174, 32, 113) }
```


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

```
.border{ border-color:rgb(174, 32, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 32, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 32, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 32, 113);  
box-shadow:4px 4px 4px 4px rgb(174, 32,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9527, 11.2239, 16.6849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 32, 113) }
```

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

```
.background{ background-color: rgb(174, 32,  
113) }
```

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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