

Converting Colors

XYZ(21.9787, 10.9942, 16.2213)

Have a look what the booklet for
XYZ(21.9787, 10.9942, 16.2213)
contains.

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Color

**XYZ(21.9807, 10.9936,
16.2927)**

Conversions

Conversions Part 1

Format	Color
Hex	B50070
RGB	181, 0, 112
RGB Percent	71%, 0%, 44%
CMY	0.2902, 0.9999, 0.5608
CMYK	0.00, 1.00, 0.38, 0.29
HSL	323°, 100%, 35%
HSV	323°, 100%, 71%
XYZ	21.9807, 10.9936, 16.2927
YIQ	66.8870, 71.9240, 73.2040

Conversions

Conversions Part 2

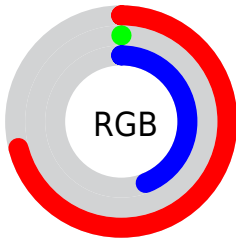
Format	Color
R_{YB}	181, 0, 112
Decimal	11862128
CIE _{Lab}	39.57, 67.38, -10.37
CIE _{LCh}	40, 68.174, 351.251
Yxy	10.9936, 0.4462, 0.2231
Android (android.graphics.Color)	4290052208 (0xFFB50070)
YUV	66.8870, 22.2407, 100.0771
Hunter-Lab	33.1566, 60.3100, -5.9247

Details

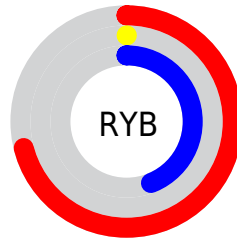
The XYZ color **21.9807, 10.9936, 16.2927** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.5993, 33.4780, 11.1690**, and the grayscale version is **5.2777, 5.5526, 6.0468**.

A 20% lighter version of the original color is **46.0697, 27.5676, 38.0149**, and **8.9515, 4.5077, 5.2488** is the 20% darker color. If you saturate the color by 10%, you get **21.9801, 10.9934, 16.2897**, and if you desaturate by 10%, it is **22.5983, 11.5901, 18.4677**.

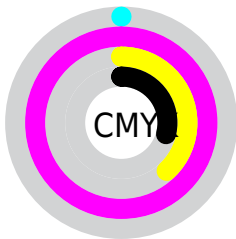
Distribution



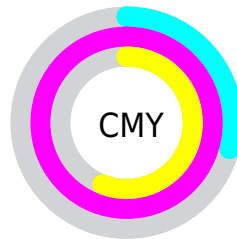
- Red (71%)
- Green (0%)
- Blue (44%)



- Red (71%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9807, 10.9936, 16.2927 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 21.9807, 10.9936, 16.2927 by changing the saturation by 10% instead.

■ 21.9807, 10.9936,
16.2927

■ 21.9807, 10.9936,
16.2927

255.0797,
197.6236, 242.9671

■ 13.9592, 6.0625,
9.5749

■ 46.1932, 27.6483,
37.8794

■ 8.1738, 2.8831,
5.0161

■ 63.1149, 40.1408,
53.5855

■ 4.2591, 1.0710,
2.1978

■ 83.7341, 55.9225,
73.1247

■ 1.8497, 0.0000,
0.6731

■ 108.4162, 75.3779,
96.9156

■ 0.5474, 0.0000,
0.0000

■ 137.5264, 98.8912,
125.3768

■ 0.0000, 0.0000,
0.0000

■ 171.4302,

126.8471, 158.9267

210.4928,
159.6297, 197.9840

■ 21.9807, 10.9936,
16.2927

■ 21.9807, 10.9936,
16.2927

■ 21.9801, 10.9934,
16.2897

■ 22.5983, 11.5901,
18.4677

■ 23.4470, 12.6006,
20.8682

■ 24.6037, 14.1780,
23.5229

■ 26.1057, 16.3958,
26.4471

■ 27.9846, 19.3165,
29.6542

■ 30.2685, 22.9952,
33.1565

■ 32.9824, 27.4811,
36.9650

■ 36.1495, 32.8197,
41.0900

■ 39.7911, 39.0528,
45.5412

Harmonies

Analogous

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



19.0663, 10.9936, 36.1441



21.9807, 10.9936, 16.2927



21.1654, 10.9936, 4.8919

Triad

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



21.9807, 10.9936, 16.2927



7.5374, 10.9936, 0.3276



5.8004, 10.9936, 45.0028

Complementary

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



21.9807, 10.9936, 16.2927



17.5993, 33.4780, 11.1690

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.



4.1444, 10.9936, 23.8256



21.9807, 10.9936, 16.2927



4.9211, 10.9936, 2.0422

Square

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



21.9807, 10.9936, 16.2927



11.8658, 10.9936, 0.0589



3.8788, 10.9936, 8.4890



9.1499, 10.9936, 59.1501

Rectangle

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



21.9807, 10.9936, 16.2927



18.6948, 10.9936, 1.7905



3.8788, 10.9936, 8.4890



5.0742, 10.9936, 37.9591

Sweetspot

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



21.9810, 10.9942, 16.2929



58.8003, 48.7664, 65.8374



10.6135, 4.5084, 44.0269



12.2562, 9.7882, 13.6066



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.9810, 10.9942, 16.2929



39.2517, 19.6432, 28.5728



19.2229, 9.8910, 1.7688



8.7099, 8.5907, 9.9709



15.1872, 7.5925, 11.4119



0.5052, 0.2498, 0.5031

Inverse Universe

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



21.9810, 10.9942, 16.2929



39.2517, 19.6432, 28.5728



22.5990, 35.4779, 37.4972



8.7099, 8.5907, 9.9709



15.1872, 7.5925, 11.4119



0.5052, 0.2498, 0.5031

Previews

White Background



This preview shows how the XYZ color 21.9807, 10.9936, 16.2927 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 21.9807, 10.9936, 16.2927 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 21.9807, 10.9936, 16.2927

Background



This preview shows how black text looks on a background with the XYZ color 21.9807, 10.9936, 16.2927.



This preview shows how white text looks on a background with the XYZ color 21.9807, 10.9936,

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

21.9807, 10.9936, 16.2927

Protanopia

12.7318, 11.7724, 34.8590

Deuteranopia

11.7799, 11.5949, 14.7139



Tritanopia

19.5253, 11.3457, 3.7456

Trichromacy



Original Color

21.9807, 10.9936, 16.2927



Protanomaly

12.8805, 8.4661, 26.9418



Deuteranomaly

13.4237, 8.9353, 14.9271



Tritanomaly

19.8808, 10.7377, 6.8191

Monochromacy



Original Color

21.9807, 10.9936, 16.2927



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.6096, 5.5404, 8.7993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9807, 10.9936, 16.2927 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(181, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 112)  
}
```

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(181, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 112) }
```

Border

The CSS property to change the border of an element to XYZ 21.9807, 10.9936, 16.2927 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(181, 0, 112) }
```


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

```
.border{ border-color:rgb(181, 0, 112) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9807, 10.9936, 16.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 112) }
```

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

```
.background{ background-color: rgb(181, 0,  
112) }
```

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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