

Converting Colors

XYZ(21.8569, 10.9455, 15.5797)

Have a look what the booklet for
XYZ(21.8569, 10.9455, 15.5797)
contains.

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Color

**XYZ(21.8705, 10.9495,
15.7126)**

Conversions

Conversions Part 1

Format	Color
Hex	B5006E
RGB	181, 0, 110
RGB Percent	71%, 0%, 43%
CMY	0.2902, 0.9999, 0.5686
CMYK	0.00, 1.00, 0.39, 0.29
HSL	324°, 100%, 35%
HSV	324°, 100%, 71%
XYZ	21.8705, 10.9495, 15.7126
YIQ	66.6590, 72.5660, 72.5820

Conversions

Conversions Part 2

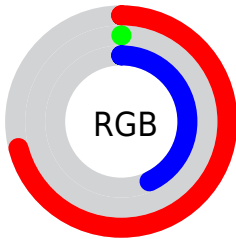
Format	Color
R_{YB}	181, 0, 110
Decimal	11862126
CIE Lab	39.50, 67.19, -9.22
CIE LCh	39, 67.818, 352.184
Yxy	10.9495, 0.4506, 0.2256
Android (android.graphics.Color)	4290052206 (0xFFB5006E)
YUV	66.6590, 21.3671, 100.2771
Hunter-Lab	33.0900, 60.0701, -4.9905

Details

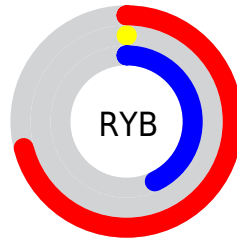
The XYZ color **21.8705, 10.9495, 15.7126** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.6624, 33.5032, 11.5016**, and the grayscale version is **5.2432, 5.5162, 6.0072**.

A 20% lighter version of the original color is **45.8905, 27.4959, 37.0710**, and **8.8955, 4.4854, 4.9543** is the 20% darker color. If you saturate the color by 10%, you get **21.8700, 10.9493, 15.7096**, and if you desaturate by 10%, it is **22.4913, 11.5472, 17.9043**.

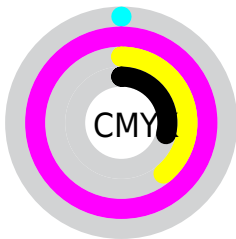
Distribution



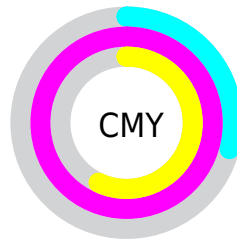
- Red (71%)
- Green (0%)
- Blue (43%)



- Red (71%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (29%)




- Cyan (29%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8705, 10.9495, 15.7126 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 21.8705, 10.9495, 15.7126 by changing the saturation by 10% instead.


 21.8705, 10.9495,
15.7126


 21.8705, 10.9495,
15.7126


254.5143,
197.3208, 239.4273


 13.8778, 6.0329,
9.1689


 46.0123, 27.5667,
36.8584


 8.1169, 2.8651,
4.7532


 62.8922, 40.0362,
52.2975


 4.2223, 1.0617,
2.0470

 83.4652, 55.7920,
71.5388

 1.8286, 0.0000,
0.5839

 108.0966, 75.2186,
95.0008

 0.5348, 0.0000,
0.0000

 137.1519, 98.7004,
123.1022

 0.0000, 0.0000,
0.0000

 170.9964,

126.6217, 156.2614

209.9954,
159.3671, 194.8969

■ 21.8705, 10.9495,
15.7126

■ 21.8705, 10.9495,
15.7126

■ 21.8700, 10.9493,
15.7096

■ 22.4913, 11.5472,
17.9043

■ 23.3447, 12.5596,
20.3298

■ 24.5078, 14.1395,
23.0182

■ 26.0179, 16.3606,
25.9851

■ 27.9067, 19.2852,
29.2444

■ 30.2023, 22.9685,
32.8084

■ 32.9298, 27.4599,
36.6884

■ 36.1124, 32.8046,
40.8950

■ 39.7714, 39.0446,
45.4383

Harmonies

Analogous

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



19.0830, 10.9495, 35.1986



21.8705, 10.9495, 15.7126



20.9438, 10.9495, 4.6833

Triad

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



21.8705, 10.9495, 15.7126



7.4099, 10.9495, 0.3704



5.8687, 10.9495, 45.2553

Complementary

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



21.8705, 10.9495, 15.7126



17.6624, 33.5032, 11.5016

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.



4.1742, 10.9495, 24.2844



21.8705, 10.9495, 15.7126



4.8637, 10.9495, 2.1551

Square

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



21.8705, 10.9495, 15.7126



11.6579, 10.9495, 0.0635



3.8702, 10.9495, 8.7963



9.2492, 10.9495, 58.8014

Rectangle

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



21.8705, 10.9495, 15.7126



18.4407, 10.9495, 1.7157



3.8702, 10.9495, 8.7963



5.1295, 10.9495, 38.3335

Sweetspot

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



21.8708, 10.9501, 15.7128



58.7049, 48.7283, 65.3354



10.8235, 4.6167, 44.0367



12.2334, 9.7790, 13.4862



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.



21.8708, 10.9501, 15.7128



39.0538, 19.5641, 27.5305



19.1930, 9.8790, 1.6116



8.7060, 8.5891, 9.9501



15.1115, 7.5622, 11.0132



0.5031, 0.2490, 0.4922

Inverse Universe

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



21.8708, 10.9501, 15.7128



39.0538, 19.5641, 27.5305



22.8594, 35.5820, 38.8688



8.7060, 8.5891, 9.9501



15.1115, 7.5622, 11.0132



0.5031, 0.2490, 0.4922

Previews

White Background



This preview shows how the XYZ color 21.8705, 10.9495, 15.7126 looks on a white background.

Color Contrast Check

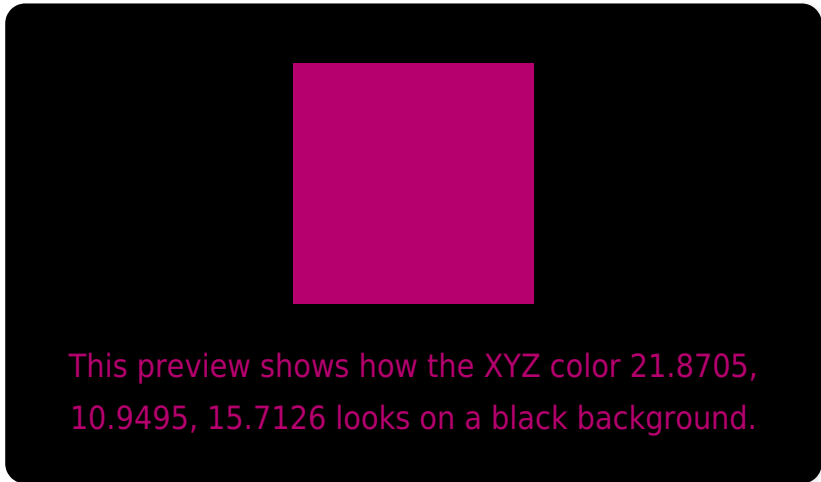
Large Text (above 18pt) WCAG AA ✓ Pass

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

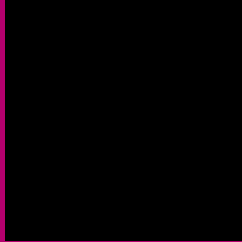
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8705, 10.9495, 15.7126

Background



This preview shows how black text looks on a background with the XYZ color 21.8705, 10.9495, 15.7126.



This preview shows how white text looks on a background with the XYZ color 21.8705, 10.9495,

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

21.8705, 10.9495, 15.7126

Protanopia

12.7000, 11.7761, 33.9514

Deuteranopia

11.7921, 11.6128, 14.1904



Tritanopia

19.5058, 11.3379, 3.6430

Trichromacy



Original Color

21.8705, 10.9495, 15.7126

Protanomaly

12.8540, 8.4698, 26.1567

Deuteranomaly

13.4738, 8.9731, 14.3864

Tritanomaly

19.8495, 10.7252, 6.6542

Monochromacy



Original Color

21.8705, 10.9495, 15.7126

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 21.8705, 10.9495, 15.7126 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 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(181, 0, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 110) }
```

Border

The CSS property to change the border of an element to XYZ 21.8705, 10.9495, 15.7126 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, 110) }
```


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

```
.border{ border-color:rgb(181, 0, 110) }
```

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, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 110);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8705, 10.9495, 15.7126 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, 110) }
```

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

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