

Converting Colors

XYZ(21.7248, 11.6203, 15.2582)

Have a look what the booklet for
XYZ(21.7248, 11.6203, 15.2582)
contains.

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Color

**XYZ(21.7872, 11.6464,
15.2870)**

Conversions

Conversions Part 1

Format	Color
Hex	B31F6C
RGB	179, 31, 108
RGB Percent	70%, 12%, 42%
CMY	0.2980, 0.8784, 0.5765
CMYK	0.00, 0.83, 0.40, 0.30
HSL	329°, 70%, 41%
HSV	329°, 83%, 70%
XYZ	21.7872, 11.6464, 15.2870
YIQ	84.0300, 63.4910, 55.3230

Conversions

Conversions Part 2

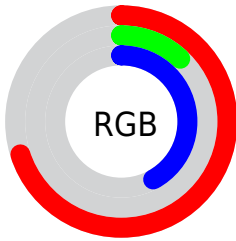
Format	Color
R_{YB}	179, 31, 108
Decimal	11738988
CIE Lab	40.65, 61.83, -6.28
CIE LCh	41, 62.145, 354.202
Yxy	11.6464, 0.4472, 0.2390
Android (android.graphics.Color)	4289929068 (0xFFB31F6C)
YUV	84.0300, 11.8172, 83.2887
Hunter-Lab	34.1268, 54.2358, -2.6700

Details

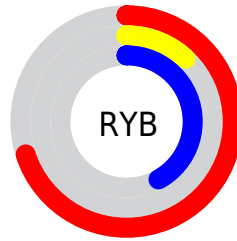
The XYZ color **21.7872, 11.6464, 15.2870** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **19.0845, 33.4913, 18.0322**, and the grayscale version is **8.4014, 8.8390, 9.6256**.

A 20% lighter version of the original color is **45.8573, 28.8593, 35.9543**, and **8.7275, 4.4019, 4.8045** is the 20% darker color. If you saturate the color by 10%, you get **21.0077, 10.7832, 12.8821**, and if you desaturate by 10%, it is **22.8718, 13.0477, 18.0159**.

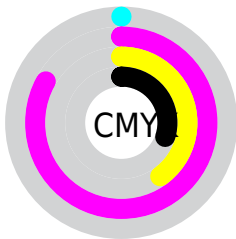
Distribution



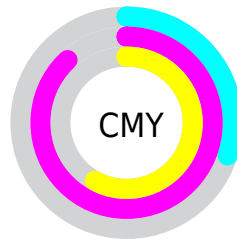
- Red (70%)
- Green (12%)
- Blue (42%)



- Red (70%)
- Yellow (12%)
- Blue (42%)



- Cyan (0%)
- Magenta (83%)
- Yellow (40%)
- Black (30%)



- Cyan (30%)
- Magenta (88%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7872, 11.6464, 15.2870 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 21.7872, 11.6464, 15.2870 by changing the saturation by 10% instead.

21.7872, 11.6464,
15.2870

21.7872, 11.6464,
15.2870

254.0863,
202.0501, 236.7972

13.8163, 6.5034,
8.8722

45.8755, 28.8494,
36.1053

8.0739, 3.1535,
4.5622

62.7237, 41.6782,
51.3458

4.1945, 1.2124,
1.9386

83.2617, 57.8378,
70.3654

1.8127, 0.0718,
0.5171

107.8548, 77.7124,
93.5825

0.5253, 0.0000,
0.0000

136.8685,
101.6866, 121.4157

0.0000, 0.0000,
0.0000

170.6681,

130.1447, 154.2835

209.6189,
163.4710, 192.6045

■ 21.7872, 11.6464,
15.2870

■ 21.7872, 11.6464,
15.2870

■ 21.0077, 10.7832,
12.8821

■ 22.8718, 13.0477,
18.0159

■ 20.5716, 10.3762,
11.3027

■ 24.2994, 15.0609,
21.0873

■ 26.1030, 17.7502,
24.5183

■ 28.3112, 21.1709,
28.3241

■ 30.9497, 25.3727,
32.5186

■ 34.0421, 30.4008,
37.1151

■ 37.6100, 36.2971,
42.1259

■ 41.6738, 43.1005,
47.5628

■ 46.2525, 50.8475,
53.4370

Harmonies

Analogous

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



19.4373, 11.6464, 32.7633



21.7872, 11.6464, 15.2870



20.7068, 11.6464, 5.1211

Triad

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



21.7872, 11.6464, 15.2870



7.9536, 11.6464, 0.9369



6.8252, 11.6464, 44.1889

Complementary

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



21.7872, 11.6464, 15.2870



19.0845, 33.4913, 18.0322

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.



5.0115, 11.6464, 25.4176



21.7872, 11.6464, 15.2870



5.5321, 11.6464, 3.1380

Square

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



21.7872, 11.6464, 15.2870



11.9456, 11.6464, 0.5772



4.6103, 11.6464, 10.3893



10.2374, 11.6464, 55.2242

Rectangle

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



21.7872, 11.6464, 15.2870



18.3015, 11.6464, 2.1842



4.6103, 11.6464, 10.3893



6.0487, 11.6464, 38.1502

Sweetspot

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



21.7875, 11.6471, 15.2872



59.3634, 51.8208, 64.1372



13.8906, 6.9488, 43.2570



12.7226, 10.7821, 13.5733



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.



21.7875, 11.6471, 15.2872



36.8226, 18.6156, 20.0105



19.3983, 10.6914, 2.7059



8.6748, 8.5766, 9.7859



14.5699, 7.3455, 8.1612



0.4877, 0.2428, 0.4110

Inverse Universe

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



21.7875, 11.6471, 15.2872



36.8226, 18.6156, 20.0105



24.3321, 35.5904, 45.6660



8.6748, 8.5766, 9.7859



14.5699, 7.3455, 8.1612



0.4877, 0.2428, 0.4110

Previews

White Background



This preview shows how the XYZ color 21.7872, 11.6464, 15.2870 looks on a white background.

Color Contrast Check

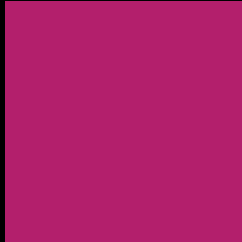
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7872, 11.6464, 15.2870 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 21.7872, 11.6464, 15.2870

Background



This preview shows how black text looks on a background with the XYZ color 21.7872, 11.6464, 15.2870.



This preview shows how white text looks on a background with the XYZ color 21.7872, 11.6464,

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

21.7872, 11.6464, 15.2870

Protanopia

12.6589, 11.9740, 30.0778

Deuteranopia

12.1774, 11.9483, 13.9763



Tritanopia

19.6649, 11.7592, 4.4821

Trichromacy



Original Color

21.7872, 11.6464, 15.2870

Protanomaly

13.6907, 10.0008, 23.7630

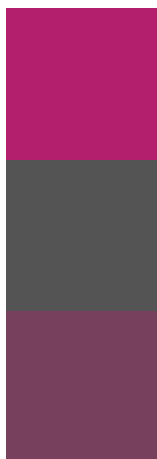
Deuteranomaly

14.2676, 10.4115, 14.3543

Tritanomaly

20.1650, 11.5427, 7.2960

Monochromacy



Original Color

21.7872, 11.6464, 15.2870

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.4738, 8.4928, 11.3905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7872, 11.6464, 15.2870 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(179, 31, 108)` looks like.

```
.text, #text, p{  
  color:rgb(179, 31, 108)  
}
```

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(179, 31, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 31, 108) }
```

Border

The CSS property to change the border of an element to XYZ 21.7872, 11.6464, 15.2870 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(179, 31, 108) }
```


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

```
.border{ border-color:rgb(179, 31, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 31, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 31, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 31, 108);  
box-shadow:4px 4px 4px 4px rgb(179, 31,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7872, 11.6464, 15.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 31, 108) }
```

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

```
.background{ background-color: rgb(179, 31,  
108) }
```

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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