

Converting Colors

XYZ(11.7735, 5.8664, 9.7243)

Have a look what the booklet for
XYZ(11.7735, 5.8664, 9.7243)
contains.

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Color

**XYZ(11.7531, 5.8555,
9.7433)**

Conversions

Conversions Part 1

Format	Color
Hex	870058
RGB	135, 0, 88
RGB Percent	53%, 0%, 35%
CMY	0.4706, 0.9999, 0.6549
CMYK	0.00, 1.00, 0.35, 0.47
HSL	321°, 100%, 26%
HSV	321°, 100%, 53%
XYZ	11.7531, 5.8555, 9.7433
YIQ	50.3970, 52.2120, 55.9880

Conversions

Conversions Part 2

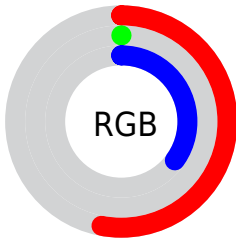
Format	Color
R_{YB}	135, 0, 88
Decimal	8847448
CIE _{Lab}	29.04, 54.94, -11.79
CIE _{LCh}	29, 56.193, 347.886
Yxy	5.8555, 0.4297, 0.2141
Android (android.graphics.Color)	4287037528 (0xFF870058)
YUV	50.3970, 18.5383, 74.1968
Hunter-Lab	24.1981, 44.3512, -6.9342

Details

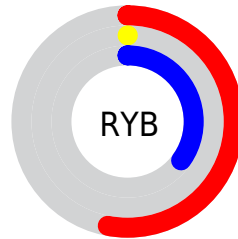
The XYZ color **11.7531, 5.8555, 9.7433** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.1776, 17.5334, 5.5916**, and the grayscale version is **3.0534, 3.2124, 3.4983**.

A 20% lighter version of the original color is **28.5789, 17.5479, 25.9256**, and **3.7443, 1.8799, 2.4510** is the 20% darker color. If you saturate the color by 10%, you get **11.7528, 5.8554, 9.7420**, and if you desaturate by 10%, it is **12.1048, 6.2371, 10.8525**.

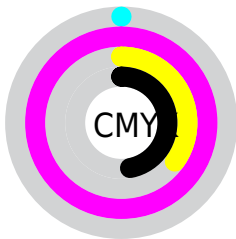
Distribution



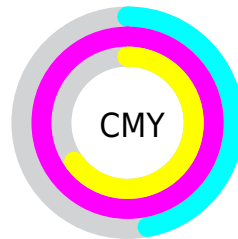
- Red (53%)
- Green (0%)
- Blue (35%)



- Red (53%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (47%)



- Cyan (47%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7531, 5.8555, 9.7433 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 11.7531, 5.8555, 9.7433 by changing the saturation by 10% instead.

■ 11.7531, 5.8555,
9.7433

■ 11.7531, 5.8555,
9.7433

196.5673,
157.7833, 199.2478

■ 6.6468, 2.7574,
5.1257

■ 28.6654, 17.6306,
25.9118

■ 3.2866, 1.0064,
2.2612

■ 41.2021, 27.0764,
38.2997

■ 1.3071, 0.0000,
0.7094

■ 56.9463, 39.4068,
54.1149

■ 0.1885, 0.0000,
0.0000

■ 76.2634, 55.0064,
73.7758

■ 0.0000, 0.0000,
0.0000

■ 99.5186, 74.2594,
97.7010

■ 127.0775, 97.5503,

126.3091

159.3052,
125.2635, 160.0185

11.7531, 5.8555,
9.7433

11.7531, 5.8555,
9.7433

11.7528, 5.8554,
9.7420

12.1048, 6.2371,
10.8525

12.5604, 6.8061,
12.0593

13.1713, 7.6649,
13.3821

13.9550, 8.8482,
14.8278

14.9267, 10.3857,
16.4025

■ 16.0996, 12.3039,
18.1115

■ 17.4858, 14.6266,
19.9599

■ 19.0964, 17.3757,
21.9525

■ 20.9418, 20.5715,
24.0936

Harmonies

Analogous

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



9.9747, 5.8555, 20.8878



11.7531, 5.8555, 9.7433



11.5470, 5.8555, 2.9999

Triad

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



11.7531, 5.8555, 9.7433



4.2094, 5.8555, 0.0000



2.9132, 5.8555, 23.1374

Complementary

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



11.7531, 5.8555, 9.7433



9.1776, 17.5334, 5.5916

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.



2.1171, 5.8555, 11.6403



11.7531, 5.8555, 9.7433



2.6954, 5.8555, 0.8665

Square

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



11.7531, 5.8555, 9.7433



6.6424, 5.8555, 0.0000



2.0517, 5.8555, 3.8900



4.6117, 5.8555, 31.7358

Rectangle

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



11.7531, 5.8555, 9.7433



10.3167, 5.8555, 1.0940



2.0517, 5.8555, 3.8900



2.5565, 5.8555, 19.2093

Sweetspot

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



11.7533, 5.8558, 9.7434



31.1313, 25.8850, 35.5099



5.4560, 2.3078, 23.0795



6.9903, 5.6253, 7.9369



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.7533, 5.8558, 9.7434



20.9697, 10.4549, 17.0379



10.1416, 5.2112, 1.2566



4.7908, 4.7360, 5.5109



10.8441, 5.4020, 9.0172



0.0410, 0.0201, 0.0494

Inverse Universe

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



11.7533, 5.8558, 9.7434



20.9697, 10.4549, 17.0379



11.6169, 18.5091, 18.4367



4.7908, 4.7360, 5.5109



10.8441, 5.4020, 9.0172



0.0410, 0.0201, 0.0494

Previews

White Background



This preview shows how the XYZ color 11.7531, 5.8555, 9.7433 looks on a white background.

Color Contrast Check

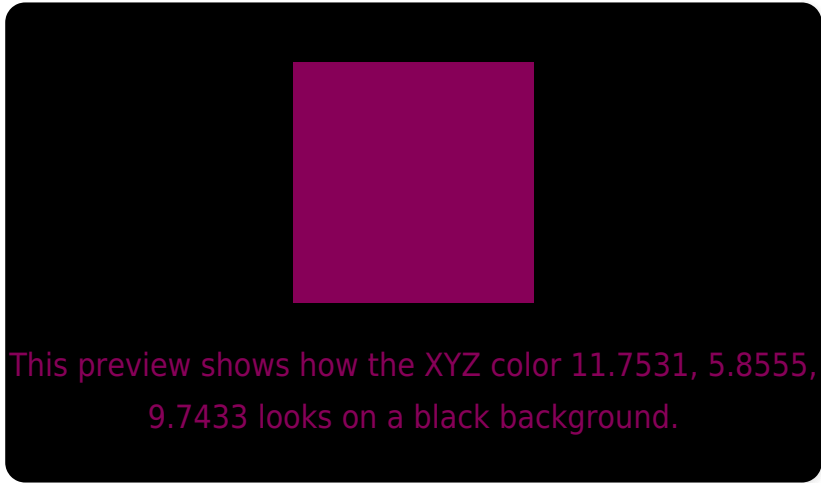
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 11.7531, 5.8555, 9.7433

Background



This preview shows how black text looks on a background with the XYZ color 11.7531, 5.8555, 9.7433.



This preview shows how white text looks on a background with the XYZ color 11.7531, 5.8555,

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

11.7531, 5.8555, 9.7433

Protanopia

7.1283, 6.4910, 20.6158

Deuteranopia

6.5372, 6.4454, 8.8822



Tritanopia

10.4352, 6.2350, 2.3225

Trichromacy



Original Color

11.7531, 5.8555, 9.7433

Protanomaly

7.0875, 4.7089, 15.8646

Deuteranomaly

7.3625, 5.0037, 8.9653

Tritanomaly

10.6494, 5.8362, 4.1796

Monochromacy



Original Color

11.7531, 5.8555, 9.7433

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8353, 3.1525, 5.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7531, 5.8555, 9.7433 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(135, 0, 88)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 88)  
}
```

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(135, 0, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 88) }
```

Border

The CSS property to change the border of an element to XYZ 11.7531, 5.8555, 9.7433 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(135, 0, 88) }
```


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

```
.border{ border-color:rgb(135, 0, 88) }
```

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

Here you see how a box with a 4 pixel rgb(135, 0, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 88);  
box-shadow:4px 4px 4px 4px rgb(135, 0, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7531, 5.8555, 9.7433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 88) }
```

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

```
.background{ background-color: rgb(135, 0,  
88) }
```

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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