

Converting Colors

XYZ(10.1414, 2.8275, 12.0377)

Have a look what the booklet for
XYZ(10.1414, 2.8275, 12.0377)
contains.

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Color

**XYZ(11.6603, 5.7454,
12.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	830064
RGB	131, 0, 100
RGB Percent	51%, 0%, 39%
CMY	0.4863, 0.9999, 0.6078
CMYK	0.00, 1.00, 0.24, 0.49
HSL	314°, 100%, 26%
HSV	314°, 100%, 51%
XYZ	11.6603, 5.7454, 12.5510
YIQ	50.5690, 45.9760, 58.8720

Conversions

Conversions Part 2

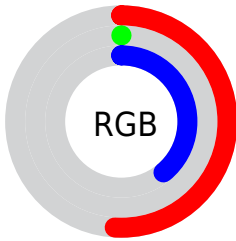
Format	Color
RYB	131, 0, 100
Decimal	8585316
CIELab	28.76, 55.51, -20.16
CIElCh	29, 59.057, 340.039
Yxy	5.7454, 0.3892, 0.1918
Android (android.graphics.Color)	4286775396 (0xFF830064)
YUV	50.5690, 24.3695, 70.5380
Hunter-Lab	23.9696, 44.8869, -14.2669

Details

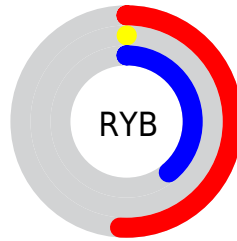
The XYZ color **11.6603, 5.7454, 12.5510** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **8.3640, 16.3317, 4.0088**, and the grayscale version is **3.0669, 3.2266, 3.5138**.

A 20% lighter version of the original color is **28.5782, 17.4322, 31.1367**, and **3.7032, 1.8348, 3.5271** is the 20% darker color. If you saturate the color by 10%, you get **11.6602, 5.7453, 12.5502**, and if you desaturate by 10%, it is **11.9587, 6.0974, 13.4050**.

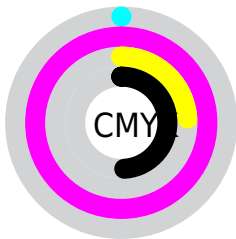
Distribution



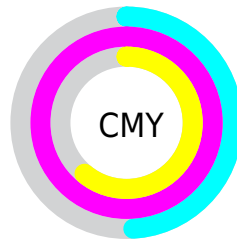
- Red (51%)
- Green (0%)
- Blue (39%)



- Red (51%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (49%)



- Cyan (49%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6603, 5.7454, 12.5510 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 11.6603, 5.7454, 12.5510 by changing the saturation by 10% instead.

■ 11.6603, 5.7454,
12.5510

■ 11.6603, 5.7454,
12.5510

■ 195.9594,
156.7895, 219.1255

■ 6.5834, 2.6909,
6.9930

■ 28.4971, 17.4006,
31.1740

■ 3.2469, 0.9726,
3.3794

■ 40.9877, 26.7700,
45.0761

■ 1.2857, 0.0000,
1.2914

■ 56.6803, 39.0132,
62.5967

■ 0.1724, 0.0000,
0.0548


■ 75.9401, 54.5146,
84.1543

■ 0.0000, 0.0000,
0.0000

■ 99.1326, 73.6585,
110.1674


■ 126.6231, 96.8293,

141.0547

 158.7769,
124.4116, 177.2345

 11.6603, 5.7454,
12.5510


 11.6603, 5.7454,
12.5510

 11.6602, 5.7453,
12.5502

 11.9587, 6.0974,
13.4050

 12.3462, 6.6184,
14.3173

 12.8725, 7.4077,
15.3045

 13.5537, 8.4972,
16.3725

 14.4035, 9.9146,
17.5260

■ 15.4342, 11.6841,
18.7695

■ 16.6569, 13.8279,
20.1070

■ 18.0818, 16.3662,
21.5420

■ 19.7183, 19.3179,
23.0781

Harmonies

Analogous

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



9.3637, 5.7454, 24.9511



11.6603, 5.7454, 12.5510



12.0365, 5.7454, 4.0715

Triad

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



11.6603, 5.7454, 12.5510



4.6325, 5.7454, 0.0000



2.4510, 5.7454, 20.7889

Complementary

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



11.6603, 5.7454, 12.5510



8.3640, 16.3317, 4.0088

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.



1.8618, 5.7454, 9.1079



11.6603, 5.7454, 12.5510



2.8284, 5.7454, 0.3057

Square

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



11.6603, 5.7454, 12.5510



7.3579, 5.7454, 0.0000



1.9735, 5.7454, 2.5222



3.9216, 5.7454, 31.7915

Rectangle

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



11.6603, 5.7454, 12.5510



11.0539, 5.7454, 1.4689



1.9735, 5.7454, 2.5222



2.1684, 5.7454, 16.5504

Sweetspot

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



11.6605, 5.7457, 12.5511



29.6635, 24.4703, 35.8333



4.6493, 1.9238, 21.5990



6.7147, 5.3599, 8.1377



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.6605, 5.7457, 12.5511



20.8192, 10.2640, 22.1496



9.6628, 4.9466, 2.0312



4.8120, 4.7445, 5.6224



11.4787, 5.6558, 12.3593



0.0426, 0.0207, 0.0577

Inverse Universe

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



11.6605, 5.7457, 12.5511



20.8192, 10.2640, 22.1496



10.2310, 17.0785, 13.8406



4.8120, 4.7445, 5.6224



11.4787, 5.6558, 12.3593



0.0426, 0.0207, 0.0577

Previews

White Background



This preview shows how the XYZ color 11.6603, 5.7454, 12.5510 looks on a white background.

Color Contrast Check

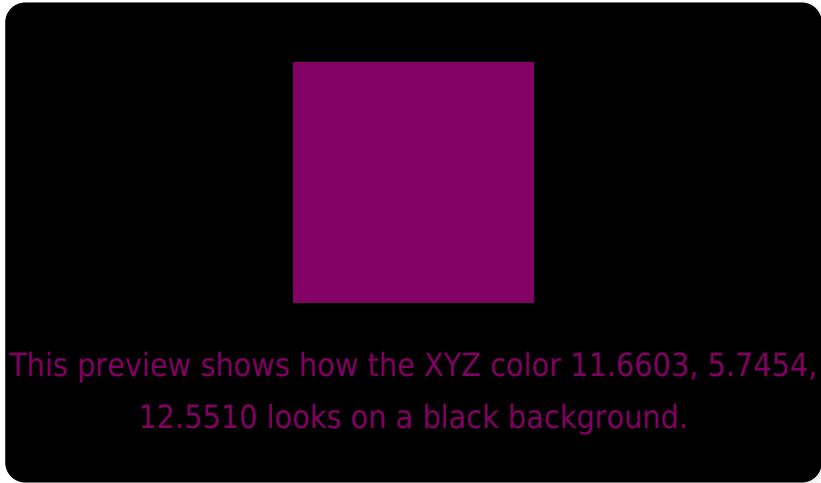
Large Text (above 18pt) WCAG AA ✓ Pass

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

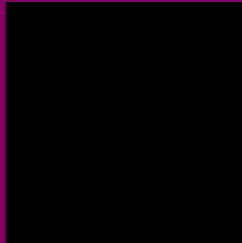
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6603, 5.7454, 12.5510

Background



This preview shows how black text looks on a background with the XYZ color 11.6603, 5.7454, 12.5510.



This preview shows how white text looks on a background with the XYZ color 11.6603, 5.7454,

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

11.6603, 5.7454, 12.5510

Protanopia

7.3640, 6.3914, 26.4367

Deuteranopia

6.4573, 6.3467, 11.4744



Tritanopia

9.7299, 6.0468, 2.7521

Trichromacy



Original Color

11.6603, 5.7454, 12.5510

Protanomaly

6.7181, 4.3578, 20.5657

Deuteranomaly

7.2662, 4.8950, 11.6282

Tritanomaly

10.1192, 5.6323, 5.1112

Monochromacy



Original Color

11.6603, 5.7454, 12.5510

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.8990, 3.1682, 5.9835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6603, 5.7454, 12.5510 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(131, 0, 100)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 100)  
}
```

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(131, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 100) }
```

Border

The CSS property to change the border of an element to XYZ 11.6603, 5.7454, 12.5510 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(131, 0, 100) }
```


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

```
.border{ border-color:rgb(131, 0, 100) }
```

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

Here you see how a box with a 4 pixel rgb(131, 0, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6603, 5.7454, 12.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 100) }
```

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

```
.background{ background-color: rgb(131, 0,  
100) }
```

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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