

Converting Colors

XYZ(11.2588, 8.0242, 12.6673)

Have a look what the booklet for
XYZ(11.2588, 8.0242, 12.6673)
contains.

XYZ(11.2570, 8.0202, 12.7591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.2570, 8.0202,
12.7591)**

Conversions

Conversions Part 1

Format	Color
Hex	753D63
RGB	117, 61, 99
RGB Percent	46%, 24%, 39%
CMY	0.5412, 0.7608, 0.6118
CMYK	0.00, 0.48, 0.15, 0.54
HSL	319°, 31%, 35%
HSV	319°, 48%, 46%
XYZ	11.2570, 8.0202, 12.7591
YIQ	82.0760, 21.1780, 23.6900

Conversions

Conversions Part 2

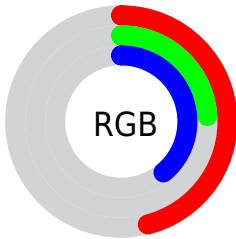
Format	Color
R_{YB}	117, 61, 99
Decimal	7683427
CIE _{Lab}	34.02, 29.92, -11.62
CIE _{LCh}	34, 32.098, 338.775
Yxy	8.0202, 0.3514, 0.2503
Android (android.graphics.Color)	4285873507 (0xFF753D63)
YUV	82.0760, 8.3435, 30.6283
Hunter-Lab	28.3200, 21.3927, -6.8882

Details

The XYZ color **11.2570, 8.0202, 12.7591** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.6974, 14.2795, 9.6428**, and the grayscale version is **8.0163, 8.4338, 9.1844**.

A 20% lighter version of the original color is **27.6585, 21.8999, 31.6235**, and **3.0785, 1.7291, 3.4203** is the 20% darker color. If you saturate the color by 10%, you get **10.5237, 6.8346, 11.6481**, and if you desaturate by 10%, it is **12.1355, 9.4825, 13.9599**.

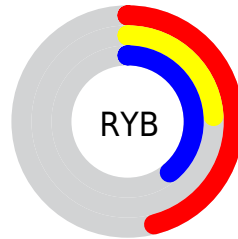
Distribution



Red (46%)

Green (24%)

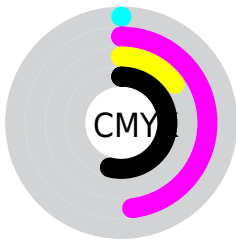
Blue (39%)



Red (46%)

Yellow (24%)

Blue (39%)

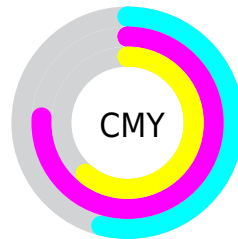


Cyan (0%)

Magenta (48%)

Yellow (15%)

Black (54%)



Cyan (54%)


Magenta (76%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.2570, 8.0202, 12.7591 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 11.2570, 8.0202, 12.7591 by changing the saturation by 10% instead.


 11.2570, 8.0202,
12.7591


 11.2570, 8.0202,
12.7591


193.2944,
175.8904, 220.5213

 6.3085, 4.1079,
7.1341


 27.7632, 21.9980,
31.5551


 3.0760, 1.7341,
3.4664

 40.0516, 32.8323,
45.5632


 1.1941, 0.4456,
1.3374

 55.5174, 46.7427,
63.2028

 0.1017, 0.0000,
0.0922

 74.5260, 64.1137,
84.8924

 0.0000, 0.0000,
0.0000

 97.4426, 85.3295,
111.0504

 124.6326,

110.7746, 142.0956

156.4615,
140.8334, 178.4464

■ 11.2570, 8.0202,
12.7591

■ 11.2570, 8.0202,
12.7591

■ 10.5237, 6.8346,
11.6481

■ 12.1355, 9.4825,
13.9599

■ 9.9257, 5.9065,
10.6230

■ 13.1667, 11.2368,
15.2535

■ 9.4532, 5.2163,
9.6799

■ 14.3584, 13.2984,
16.6429

■ 9.0945, 4.7409,
8.8143

■ 15.7178, 15.6815,
18.1312

■ 8.8186, 4.4184,
8.0154

■ 17.2515, 18.3990,
19.7210

■ 8.7618, 4.3522,
7.8503

■ 18.9658, 21.4636,
21.4150

■ 20.8667, 24.8868,
23.2156

■ 22.9599, 28.6801,
25.1252

■ 25.2508, 32.8541,
27.1462

Harmonies

Analogous

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



9.9599, 8.0202, 18.7519



11.2570, 8.0202, 12.7591



11.5066, 8.0202, 7.3281

Triad

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



11.2570, 8.0202, 12.7591



7.1153, 8.0202, 2.2066



5.2651, 8.0202, 16.3721

Complementary

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



11.2570, 8.0202, 12.7591



9.6974, 14.2795, 9.6428

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.



4.7292, 8.0202, 10.3061



11.2570, 8.0202, 12.7591



5.6836, 8.0202, 3.1238

Square

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



11.2570, 8.0202, 12.7591



8.9230, 8.0202, 2.4326



4.8696, 8.0202, 5.6572



6.4558, 8.0202, 21.3381

Rectangle

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



11.2570, 8.0202, 12.7591



11.0131, 8.0202, 4.8300



4.8696, 8.0202, 5.6572



5.0115, 8.0202, 14.3168

Sweetspot

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



11.2572, 8.0206, 12.7593



26.5285, 25.2400, 30.7145



8.0823, 6.2731, 17.6147



6.0056, 5.6392, 6.9576



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.2572, 8.0206, 12.7593



18.7724, 12.1241, 20.7416



10.1511, 7.5781, 6.9343



3.7789, 3.7389, 4.3627



9.6463, 4.7922, 8.6113



46.6036, 23.1916, 39.8376

Inverse Universe

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



11.2572, 8.0206, 12.7593



18.7724, 12.1241, 20.7416



10.9259, 14.7709, 16.1120



3.7789, 3.7389, 4.3627



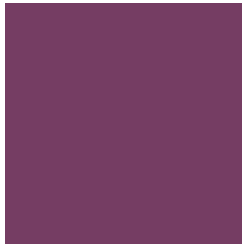
9.6463, 4.7922, 8.6113



46.6036, 23.1916, 39.8376

Previews

White Background



This preview shows how the XYZ color 11.2570, 8.0202, 12.7591 looks on a white background.

Color Contrast Check

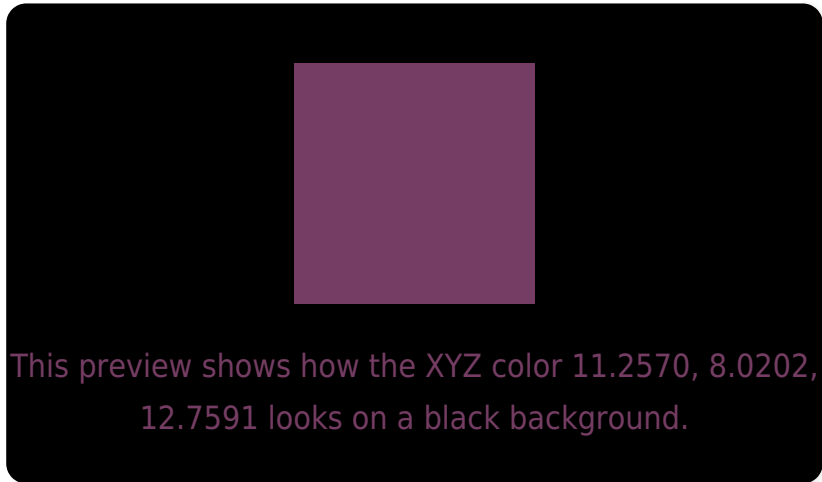
Large Text (above 18pt) WCAG AA ✓ Pass

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

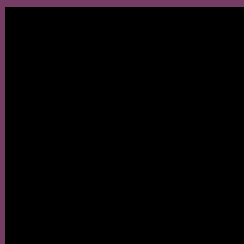
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.2570, 8.0202, 12.7591

Background



This preview shows how black text looks on a background with the XYZ color 11.2570, 8.0202, 12.7591.



This preview shows how white text looks on a background with the XYZ color 11.2570, 8.0202,

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

11.2570, 8.0202, 12.7591

Protanopia

8.3191, 8.1014, 16.4545

Deuteranopia

8.3006, 8.1858, 12.2089



Tritanopia

10.1163, 8.0596, 7.1534

Trichromacy



Original Color

11.2570, 8.0202, 12.7591

Protanomaly

8.9957, 7.7710, 14.9357

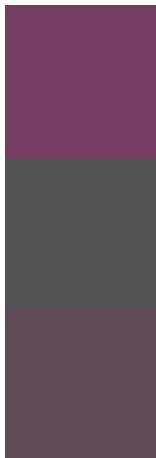
Deuteranomaly

9.0911, 7.8775, 12.3506

Tritanomaly

10.4835, 8.0346, 8.9809

Monochromacy



Original Color

11.2570, 8.0202, 12.7591

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.9295, 8.0350, 10.3128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2570, 8.0202, 12.7591 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(117, 61, 99)` looks like.

```
.text, #text, p{  
    color:rgb(117, 61, 99)  
}
```

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(117, 61, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 61, 99) }
```

Border

The CSS property to change the border of an element to XYZ 11.2570, 8.0202, 12.7591 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(117, 61, 99) }
```


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

```
.border{ border-color:rgb(117, 61, 99) }
```

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

Here you see how a box with a 4 pixel rgb(117, 61, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 61, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 61, 99);  
box-shadow:4px 4px 4px 4px rgb(117, 61,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 11.2570, 8.0202, 12.7591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 61, 99) }
```

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

```
.background{ background-color: rgb(117, 61,  
99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor