

Converting Colors

XYZ(12.9936, 11.7732, 6.2955)

Have a look what the booklet for
XYZ(12.9936, 11.7732, 6.2955)
contains.

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Color

**XYZ(12.9911, 11.7739,
6.2905)**

Conversions

Conversions Part 1

Format	Color
Hex	7E583F
RGB	126, 88, 63
RGB Percent	49%, 35%, 25%
CMY	0.5059, 0.6549, 0.7529
CMYK	0.00, 0.30, 0.50, 0.51
HSL	24°, 33%, 37%
HSV	24°, 50%, 49%
XYZ	12.9911, 11.7739, 6.2905
YIQ	96.5120, 30.6730, 0.2810

Conversions

Conversions Part 2

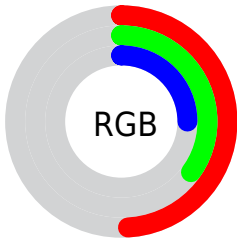
Format	Color
R_{YB}	126, 104, 63
Decimal	8280127
CIE _{Lab}	40.85, 12.49, 20.71
CIE _{LCh}	41, 24.186, 58.896
Yxy	11.7739, 0.4183, 0.3791
Android (android.graphics.Color)	4286470207 (0xFF7E583F)
YUV	96.5120, -16.5214, 25.8610
Hunter-Lab	34.3131, 7.5329, 13.1498

Details

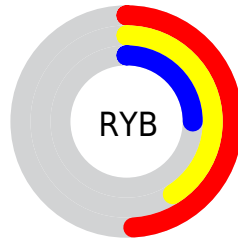
The XYZ color **12.9911, 11.7739, 6.2905** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **10.4693, 11.8701, 21.4780**, and the grayscale version is **11.2768, 11.8641, 12.9200**.

A 20% lighter version of the original color is **30.7801, 29.0280, 19.0196**, and **3.7783, 3.1623, 1.0731** is the 20% darker color. If you saturate the color by 10%, you get **12.0869, 10.4660, 4.4462**, and if you desaturate by 10%, it is **14.0416, 13.2453, 8.5815**.

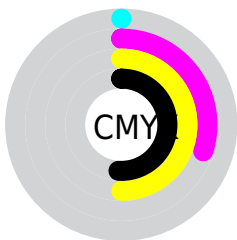
Distribution



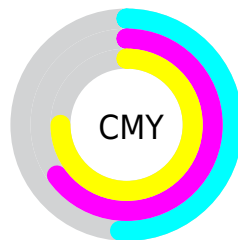
- Red (49%)
- Green (35%)
- Blue (25%)



- Red (49%)
- Yellow (41%)
- Blue (25%)



- Cyan (0%)
- Magenta (30%)
- Yellow (50%)
- Black (51%)



- Cyan (51%)
- Magenta (65%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9911, 11.7739, 6.2905 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 12.9911, 11.7739, 6.2905 by changing the saturation by 10% instead.

■ 12.9911, 11.7739,
6.2905

■ 12.9911, 11.7739,
6.2905

204.4994,
202.9027, 171.0316

■ 7.4994, 6.5899,
2.9509

■ 30.8892, 29.0826,
19.0189

■ 3.8254, 3.2070,
1.0696

■ 44.0264, 41.9762,
29.2448

■ 1.6038, 1.2407,
0.0000

■ 60.4427, 58.2084,
42.6032

■ 0.3949, 0.0946,
0.0000

■ 80.5035, 78.1636,
59.5126

■ 0.0000, 0.0000,
0.0000

■ 104.5743,
102.2262, 80.3916

■ 133.0202,

130.7807, 105.6588

166.2068,
164.2114, 135.7326

■ 12.9911, 11.7739,
6.2905

■ 12.9911, 11.7739,
6.2905

■ 12.0869, 10.4660,
4.4462

■ 14.0416, 13.2453,
8.5815

■ 11.3205, 9.3137,
3.0180

■ 15.2443, 14.8843,
11.3457

■ 10.6839, 8.3108,
1.9721

■ 16.6062, 16.6969,
14.6084

■ 10.1675, 7.4501,
1.2695

■ 18.1332, 18.6884,
18.3929

■ 9.7450, 6.7173,
0.7830

■ 19.8310, 20.8638,
22.7209

■ 9.7450, 6.7173,
0.7829

■ 21.7052, 23.2279,
27.6129

■ 23.7607, 25.7851,
33.0884

■ 26.0027, 28.5401,
39.1660

■ 28.4358, 31.4969,
45.8633

Harmonies

Analogous

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



14.3494, 11.7739, 8.7594



12.9911, 11.7739, 6.2905



11.2547, 11.7739, 5.4804

Triad

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



12.9911, 11.7739, 6.2905



8.1942, 11.7739, 12.6379



12.8694, 11.7739, 23.0511

Complementary

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



12.9911, 11.7739, 6.2905



10.4693, 11.8701, 21.4780

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.



11.1270, 11.7739, 24.8399



12.9911, 11.7739, 6.2905



8.5334, 11.7739, 17.9735

Square

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



12.9911, 11.7739, 6.2905



8.5868, 11.7739, 8.5161



9.5649, 11.7739, 22.7819



14.2742, 11.7739, 18.3730

Rectangle

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



12.9911, 11.7739, 6.2905



10.1516, 11.7739, 5.7747



9.5649, 11.7739, 22.7819



12.2984, 11.7739, 24.0562

Sweetspot

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



12.9914, 11.7745, 6.2907



30.4433, 30.9802, 28.6942



12.7726, 8.9471, 13.5853



6.8210, 6.9113, 6.2709



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.9914, 11.7745, 6.2907



21.0721, 18.1217, 7.4309



16.0567, 17.9050, 7.3125



4.4569, 4.6026, 4.5736



9.9935, 6.8834, 0.8019



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.4693, 11.8701, 21.4780



16.0775, 18.2853, 37.4264



8.0280, 6.9875, 20.6642



4.3076, 4.6093, 5.4759



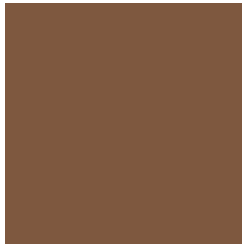
6.5103, 6.8391, 21.2269



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9911, 11.7739, 6.2905 looks on a white background.

Color Contrast Check

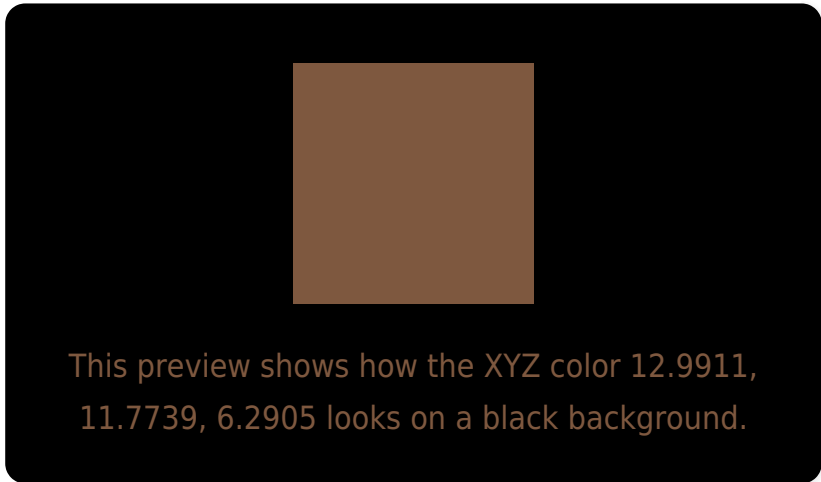
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9911, 11.7739, 6.2905

Background



This preview shows how black text looks on a background with the XYZ color 12.9911, 11.7739, 6.2905.



This preview shows how white text looks on a background with the XYZ color 12.9911, 11.7739,

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

12.9911, 11.7739, 6.2905

Protanopia

11.0838, 11.9460, 6.8759

Deuteranopia

11.8991, 11.7151, 6.1915



Tritanopia

13.9607, 11.6852, 11.4172

Trichromacy



Original Color

12.9911, 11.7739, 6.2905

Protanomaly

11.7669, 11.8978, 6.6773

Deuteranomaly

12.3563, 11.8230, 6.1883

Tritanomaly

13.4861, 11.6031, 9.3134

Monochromacy



Original Color

12.9911, 11.7739, 6.2905

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8267, 11.8494, 10.2582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9911, 11.7739, 6.2905 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(126, 88, 63)` looks like.

```
.text, #text, p{  
    color:rgb(126, 88, 63)  
}
```

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(126, 88, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 88, 63) }
```

Border

The CSS property to change the border of an element to XYZ 12.9911, 11.7739, 6.2905 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(126, 88, 63) }
```


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

```
.border{ border-color:rgb(126, 88, 63) }
```

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

Here you see how a box with a 4 pixel rgb(126, 88, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 88, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 88, 63);  
box-shadow:4px 4px 4px 4px rgb(126, 88,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9911, 11.7739, 6.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 88, 63) }
```

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

```
.background{ background-color: rgb(126, 88,  
63) }
```

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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