

Converting Colors

XYZ(12.6166, 11.5116, 7.2993)

Have a look what the booklet for
XYZ(12.6166, 11.5116, 7.2993)
contains.

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Color

**XYZ(12.6213, 11.5592,
7.3603)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5846
RGB	122, 88, 70
RGB Percent	48%, 35%, 27%
CMY	0.5216, 0.6549, 0.7255
CMYK	0.00, 0.28, 0.43, 0.52
HSL	21°, 27%, 38%
HSV	21°, 43%, 48%
XYZ	12.6213, 11.5592, 7.3603
YIQ	96.1140, 26.0420, 1.6100

Conversions

Conversions Part 2

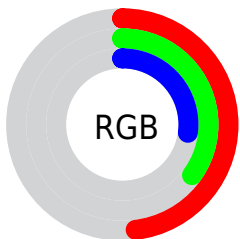
Format	Color
R_{YB}	122, 98, 70
Decimal	8017990
CIE _{Lab}	40.51, 11.53, 15.95
CIE _{LCh}	41, 19.681, 54.154
Yxy	11.5592, 0.4002, 0.3665
Android (android.graphics.Color)	4286208070 (0xFF7A5846)
YUV	96.1140, -12.8742, 22.7020
Hunter-Lab	33.9988, 6.7662, 10.9637

Details

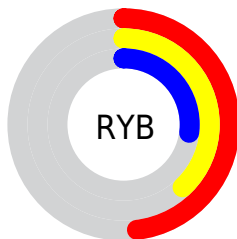
The XYZ color **12.6213, 11.5592, 7.3603** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **10.9889, 12.6076, 20.2668**, and the grayscale version is **11.1720, 11.7538, 12.7999**.

A 20% lighter version of the original color is **30.2630, 28.7151, 21.0871**, and **3.6130, 3.0701, 1.3794** is the 20% darker color. If you saturate the color by 10%, you get **11.6554, 10.1823, 5.3276**, and if you desaturate by 10%, it is **13.7377, 13.1119, 9.8296**.

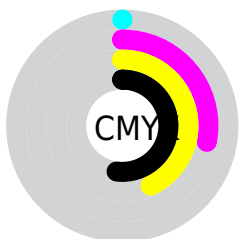
Distribution



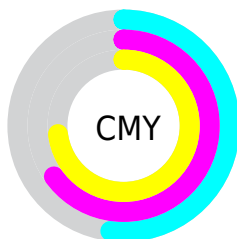
- Red (48%)
- Green (35%)
- Blue (27%)



- Red (48%)
- Yellow (38%)
- Blue (27%)



- Cyan (0%)
- Magenta (28%)
- Yellow (43%)
- Black (52%)





- Cyan (52%)
- Magenta (65%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6213, 11.5592, 7.3603 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 12.6213, 11.5592, 7.3603 by changing the saturation by 10% instead.


 12.6213, 11.5592,
7.3603


 12.6213, 11.5592,
7.3603


202.1632,
201.4648, 180.3678


 7.2435, 6.4443,
3.6066


 30.2289, 28.6897,
21.2195


 3.6625, 3.1171,
1.4121

 43.1893, 41.4741,
32.1622


 1.5130, 1.1932,
0.1511

 59.4081, 57.5837,
46.3382

 0.3347, 0.0561,
0.0000

 79.2504, 77.4030,
64.1661

 0.0000, 0.0000,
0.0000

 103.0818,
101.3164, 86.0645

131.2675,

129.7082, 112.4518

164.1728,
162.9629, 143.7468

■ 12.6213, 11.5592,
7.3603

■ 12.6213, 11.5592,
7.3603

■ 11.6554, 10.1823,
5.3276

■ 13.7377, 13.1119,
9.8296

■ 10.8320, 8.9729,
3.7047

■ 15.0104, 14.8447,
12.7585

■ 10.1438, 7.9248,
2.4634

■ 16.4457, 16.7642,
16.1692

■ 9.5822, 7.0303,
1.5712

■ 18.0494, 18.8757,
20.0823

■ 9.1373, 6.2811,
0.9893

■ 19.8271, 21.1847,
24.5172

■ 8.8625, 5.8103,
0.6544

■ 21.7840, 23.6962,
29.4923

■ 23.9250, 26.4151,
35.0250

■ 26.2550, 29.3462,
41.1319

■ 28.7787, 32.4940,
47.8291

Harmonies

Analogous

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



13.6004, 11.5592, 9.7157



12.6213, 11.5592, 7.3603



11.2602, 11.5592, 6.4208

Triad

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



12.6213, 11.5592, 7.3603



8.5445, 11.5592, 11.8250



12.1129, 11.5592, 20.9075

Complementary

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



12.6213, 11.5592, 7.3603



10.9889, 12.6076, 20.2668

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.



10.7176, 11.5592, 21.8009



12.6213, 11.5592, 7.3603



8.7313, 11.5592, 15.9723

Square

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



12.6213, 11.5592, 7.3603



8.9661, 11.5592, 8.6268



9.4997, 11.5592, 19.8366



13.2901, 11.5592, 17.6020

Rectangle

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



12.6213, 11.5592, 7.3603



10.3482, 11.5592, 6.5441



9.4997, 11.5592, 19.8366



11.6509, 11.5592, 21.5253

Sweetspot

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



12.6216, 11.5598, 7.3605



28.7488, 29.2489, 28.0035



12.7490, 9.5311, 14.4429



6.4632, 6.5411, 6.1385



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.6216, 11.5598, 7.3605



20.5671, 18.0031, 9.4993



15.0741, 16.4647, 8.1780



4.1013, 4.2210, 4.2231



9.3234, 6.1027, 0.6865



43.7485, 27.6605, 3.0332

Inverse Universe

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



10.9889, 12.6076, 20.2668



17.2861, 20.0842, 35.3585



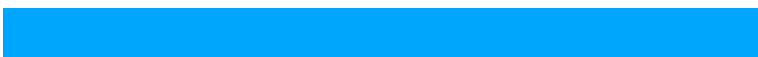
8.8108, 8.2514, 19.5408



3.9958, 4.2899, 5.0606



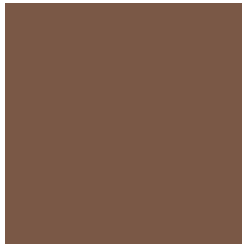
6.6926, 7.4677, 20.4740



31.1067, 33.9861, 97.3903

Previews

White Background



This preview shows how the XYZ color 12.6213, 11.5592, 7.3603 looks on a white background.

Color Contrast Check

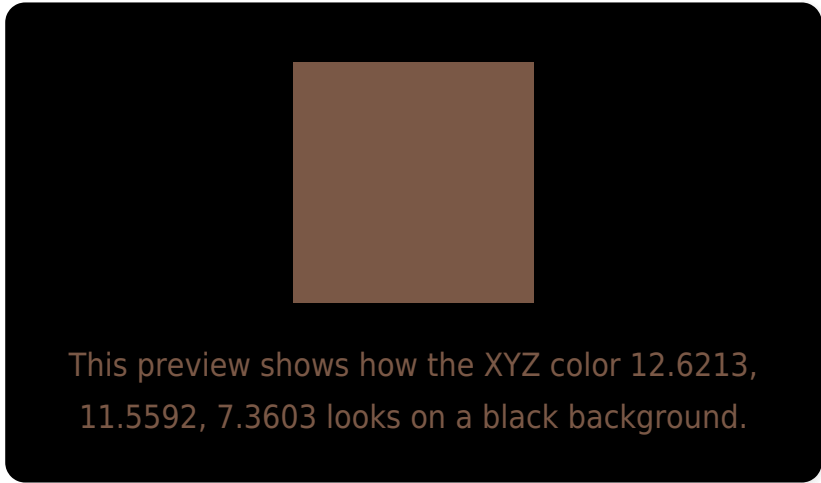
Large Text (above 18pt) WCAG AA ✓ Pass

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

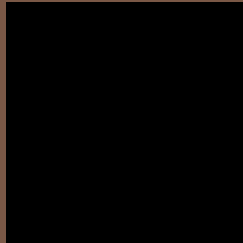
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6213, 11.5592, 7.3603

Background



This preview shows how black text looks on a background with the XYZ color 12.6213, 11.5592, 7.3603.



This preview shows how white text looks on a background with the XYZ color 12.6213, 11.5592,

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

12.6213, 11.5592, 7.3603

Protanopia

10.8650, 11.6716, 7.9835

Deuteranopia

11.8408, 11.6614, 7.2570



Tritanopia

13.4924, 11.5548, 11.6444

Trichromacy



Original Color

12.6213, 11.5592, 7.3603

Protanomaly

11.3907, 11.5478, 7.7595

Deuteranomaly

12.1514, 11.6937, 7.2469

Tritanomaly

13.0964, 11.5066, 9.9183

Monochromacy



Original Color

12.6213, 11.5592, 7.3603

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.4603, 11.5201, 10.6364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6213, 11.5592, 7.3603 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(122, 88, 70)` looks like.

```
.text, #text, p{  
    color:rgb(122, 88, 70)  
}
```

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(122, 88, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 88, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.6213, 11.5592, 7.3603 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(122, 88, 70) }
```


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

```
.border{ border-color:rgb(122, 88, 70) }
```

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

Here you see how a box with a 4 pixel rgb(122, 88, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 88, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 88, 70);  
box-shadow:4px 4px 4px 4px rgb(122, 88,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6213, 11.5592, 7.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 88, 70) }
```

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

```
.background{ background-color: rgb(122, 88,  
70) }
```

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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