

Converting Colors

XYZ(12.8449, 11.2510, 12.4127)

Have a look what the booklet for
XYZ(12.8449, 11.2510, 12.4127)
contains.

XYZ(12.7853, 11.1748, 12.3096)	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(12.7853, 11.1748,
12.3096)**

Conversions

Conversions Part 1

Format	Color
Hex	76555F
RGB	118, 85, 95
RGB Percent	46%, 33%, 37%
CMY	0.5373, 0.6667, 0.6274
CMYK	0.00, 0.28, 0.19, 0.54
HSL	342°, 16%, 40%
HSV	342°, 28%, 46%
XYZ	12.7853, 11.1748, 12.3096
YIQ	96.0070, 16.4580, 10.1060

Conversions

Conversions Part 2

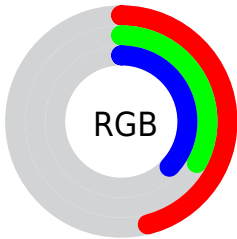
Format	Color
R_{YB}	118, 85, 95
Decimal	7755103
CIE _{Lab}	39.87, 15.36, -0.37
CIE _{LCh}	40, 15.360, 358.606
Yxy	11.1748, 0.3525, 0.3081
Android (android.graphics.Color)	4285945183 (0xFF76555F)
YUV	96.0070, -0.4965, 19.2879
Hunter-Lab	33.4287, 9.7696, 1.5675

Details

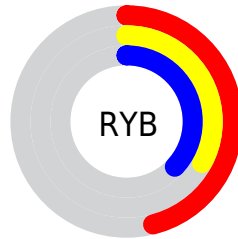
The XYZ color **12.7853, 11.1748, 12.3096** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.9320, 15.9712, 16.5893**, and the grayscale version is **11.1186, 11.6976, 12.7387**.

A 20% lighter version of the original color is **30.5694, 28.0302, 30.5873**, and **3.7341, 2.9380, 3.2760** is the 20% darker color. If you saturate the color by 10%, you get **11.5783, 9.3279, 10.1591**, and if you desaturate by 10%, it is **14.1873, 13.3485, 14.7202**.

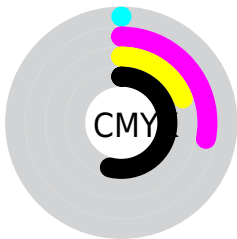
Distribution



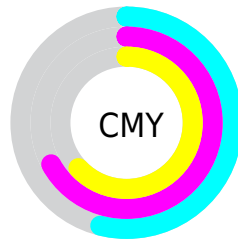
- Red (46%)
- Green (33%)
- Blue (37%)



- Red (46%)
- Yellow (33%)
- Blue (37%)



- Cyan (0%)
- Magenta (28%)
- Yellow (19%)
- Black (54%)



- Cyan (54%)
- Magenta (67%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7853, 11.1748, 12.3096 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 12.7853, 11.1748, 12.3096 by changing the saturation by 10% instead.

■ 12.7853, 11.1748,
12.3096

■ 12.7853, 11.1748,
12.3096

203.2026,
198.8629, 217.4944

■ 7.3568, 6.1845,
6.8298

■ 30.5221, 27.9830,
30.7305

■ 3.7346, 2.9576,
3.2791

■ 43.5612, 40.5696,
44.5087

■ 1.5531, 1.1096,
1.2388

■ 59.8679, 56.4572,
61.8902

■ 0.3615, 0.0000,
0.0109

■ 79.8075, 76.0301,
83.2933

■ 0.0000, 0.0000,
0.0000

■ 103.7455, 99.6728,
109.1368

132.0470,

127.7695, 139.8391

165.0776,
160.7048, 175.8188

■ 12.7853, 11.1748,
12.3096

■ 12.7853, 11.1748,
12.3096

■ 11.5783, 9.3279,
10.1591

■ 14.1873, 13.3485,
14.7202

■ 10.5566, 7.7903,
8.2590

■ 15.7918, 15.8620,
17.3986

■ 9.7108, 6.5453,
6.6001

■ 17.6068, 18.7299,
20.3534

■ 9.0304, 5.5742,
5.1720

■ 19.6398, 21.9652,
23.5922

■ 8.5037, 4.8557,
3.9639

■ 21.8979, 25.5802,
27.1225

■ 8.1174, 4.3657,
2.9638

■ 24.3876, 29.5869,
30.9514

■ 7.8380, 4.0400,
2.1523

■ 27.1155, 33.9965,
35.0859

■ 7.7859, 3.9774,
2.0066

■ 30.0877, 38.8199,
39.5327

■ 33.3102, 44.0675,
44.2983

Harmonies

Analogous

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



12.4522, 11.1748, 15.4582



12.7853, 11.1748, 12.3096



12.5073, 11.1748, 9.5881

Triad

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



12.7853, 11.1748, 12.3096



9.6777, 11.1748, 7.7395



9.5974, 11.1748, 17.8426

Complementary

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



12.7853, 11.1748, 12.3096



12.9320, 15.9712, 16.5893

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.



8.9351, 11.1748, 15.1723



12.7853, 11.1748, 12.3096



8.9793, 11.1748, 9.3804

Square

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



12.7853, 11.1748, 12.3096



10.6708, 11.1748, 7.2271



8.7164, 11.1748, 12.0264



10.5719, 11.1748, 18.9629

Rectangle

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



12.7853, 11.1748, 12.3096



12.0226, 11.1748, 8.3026



8.7164, 11.1748, 12.0264



9.3334, 11.1748, 17.0769

Sweetspot

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



12.7856, 11.1753, 12.3098



27.6963, 27.7793, 30.4759



12.6487, 10.9656, 18.5896



6.2820, 6.2520, 6.8652



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.



12.7856, 11.1753, 12.3098



20.9843, 17.3541, 18.9936



12.8567, 11.9987, 10.2333



3.7254, 3.7174, 4.0808



8.4181, 4.3009, 2.1438



40.6831, 20.8234, 8.6608

Inverse Universe

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



12.7856, 11.1753, 12.3098



20.9843, 17.3541, 18.9936



12.8054, 14.8170, 19.3247



3.7254, 3.7174, 4.0808



8.4181, 4.3009, 2.1438



40.6831, 20.8234, 8.6608

Previews

White Background



This preview shows how the XYZ color 12.7853, 11.1748, 12.3096 looks on a white background.

Color Contrast Check

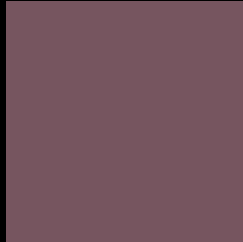
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.7853, 11.1748, 12.3096 looks on a 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 12.7853, 11.1748, 12.3096

Background



This preview shows how black text looks on a background with the XYZ color 12.7853, 11.1748, 12.3096.



This preview shows how white text looks on a background with the XYZ color 12.7853, 11.1748,

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

12.7853, 11.1748, 12.3096

Protanopia

10.9190, 11.3052, 13.6632

Deuteranopia

11.3550, 11.1739, 12.1480



Tritanopia

12.6515, 11.1213, 11.6050

Trichromacy



Original Color

12.7853, 11.1748, 12.3096

Protanomaly

11.5392, 11.2476, 13.1181

Deuteranomaly

11.7771, 11.1411, 12.1194

Tritanomaly

12.6955, 11.1389, 11.8368

Monochromacy



Original Color

12.7853, 11.1748, 12.3096

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.6474, 11.4419, 12.6610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7853, 11.1748, 12.3096 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(118, 85, 95)` looks like.

```
.text, #text, p{  
    color:rgb(118, 85, 95)  
}
```

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(118, 85, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 85, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.7853, 11.1748, 12.3096 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(118, 85, 95) }
```


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

```
.border{ border-color:rgb(118, 85, 95) }
```

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

Here you see how a box with a 4 pixel rgb(118, 85, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 85, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 85, 95);  
box-shadow:4px 4px 4px 4px rgb(118, 85,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7853, 11.1748, 12.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 85, 95) }
```

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

```
.background{ background-color: rgb(118, 85,  
95) }
```

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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