

Converting Colors

XYZ(12.7679, 12.1622, 12.5442)

Have a look what the booklet for
XYZ(12.7679, 12.1622, 12.5442)
contains.

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Color

**XYZ(12.7900, 12.1656,
12.5006)**

Conversions

Conversions Part 1

Format	Color
Hex	715D5F
RGB	113, 93, 95
RGB Percent	44%, 36%, 37%
CMY	0.5569, 0.6353, 0.6274
CMYK	0.00, 0.18, 0.16, 0.56
HSL	354°, 10%, 40%
HSV	354°, 18%, 44%
XYZ	12.7900, 12.1656, 12.5006
YIQ	99.2080, 11.2780, 4.8620

Conversions

Conversions Part 2

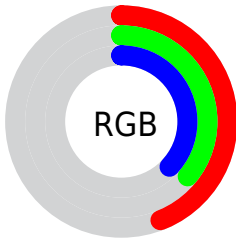
Format	Color
R_{YB}	113, 93, 95
Decimal	7429471
CIE Lab	41.48, 8.47, 1.90
CIE LCh	41, 8.680, 12.615
Yxy	12.1656, 0.3415, 0.3248
Android (android.graphics.Color)	4285619551 (0xFF715D5F)
YUV	99.2080, -2.0745, 12.0956
Hunter-Lab	34.8792, 4.4162, 3.1661

Details

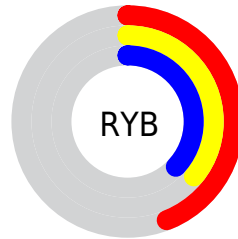
The XYZ color **12.7900, 12.1656, 12.5006** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2891, 15.2855, 17.2897**, and the grayscale version is **11.9155, 12.5360, 13.6517**.

A 20% lighter version of the original color is **30.4503, 29.6886, 30.9136**, and **3.7509, 3.3786, 3.3602** is the 20% darker color. If you saturate the color by 10%, you get **11.4380, 10.1537, 9.9160**, and if you desaturate by 10%, it is **14.3496, 14.4959, 15.4526**.

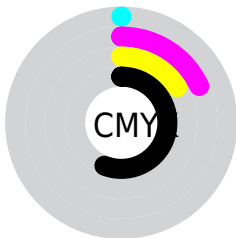
Distribution



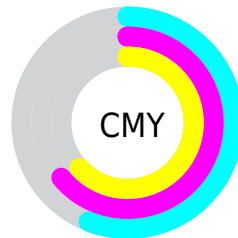
- Red (44%)
- Green (36%)
- Blue (37%)



- Red (44%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (18%)
- Yellow (16%)
- Black (56%)



- Cyan (56%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7900, 12.1656, 12.5006 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 12.7900, 12.1656, 12.5006 by changing the saturation by 10% instead.

■ 12.7900, 12.1656,
12.5006

■ 12.7900, 12.1656,
12.5006

203.2323,
205.4985, 218.7860

■ 7.3601, 6.8566,
6.9589

■ 30.5305, 29.7964,
31.0815

■ 3.7366, 3.3726,
3.3584

■ 43.5719, 42.8869,
44.9579

■ 1.5542, 1.3292,
1.2804

■ 59.8811, 59.3400,
62.4495

■ 0.3623, 0.1636,
0.0456

■ 79.8235, 79.5401,
83.9750

■ 0.0000, 0.0000,
0.0000

103.7644,
103.8716, 109.9528

132.0693,

132.7189, 140.8016

165.1035,
166.4664, 176.9398

■ 12.7900, 12.1656,
12.5006

■ 12.7900, 12.1656,
12.5006

■ 11.4380, 10.1537,
9.9160

■ 14.3496, 14.4959,
15.4526

■ 10.2839, 8.4449,
7.6836

■ 16.1241, 17.1559,
18.7848

■ 9.3188, 7.0250,
5.7884

■ 18.1216, 20.1582,
22.5103

■ 8.5324, 5.8779,
4.2141

■ 20.3493, 23.5146,
26.6414

■ 7.9137, 4.9861,
2.9426

■ 22.8144, 27.2360,
31.1898

■ 7.4505, 4.3301,
1.9546

■ 25.5236, 31.3329,
36.1668

■ 7.1287, 3.8874,
1.2281

■ 28.4834, 35.8155,
41.5832

■ 6.9152, 3.5980,
0.7326

■ 31.6999, 40.6935,
47.4494

■ 6.8723, 3.5356,
0.6458

■ 35.1792, 45.9763,
53.7755

Harmonies

Analogous

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



12.7620, 12.1656, 14.3137



12.7900, 12.1656, 12.5006



12.4807, 12.1656, 11.0267

Triad

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



12.7900, 12.1656, 12.5006



10.7596, 12.1656, 10.8464



11.2037, 12.1656, 16.8531

Complementary

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



12.7900, 12.1656, 12.5006



13.2891, 15.2855, 17.2897

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.



10.6915, 12.1656, 15.7453



12.7900, 12.1656, 12.5006



10.4416, 12.1656, 12.2333

Square

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



12.7900, 12.1656, 12.5006



11.2997, 12.1656, 10.1318



10.4172, 12.1656, 14.0210



11.8305, 12.1656, 16.9413

Rectangle

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



12.7900, 12.1656, 12.5006



12.1311, 12.1656, 10.3899



10.4172, 12.1656, 14.0210



11.0130, 12.1656, 16.5833

Sweetspot

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



12.7903, 12.1661, 12.5009



26.4726, 27.1210, 29.1342



13.4509, 12.4010, 17.3078



6.0841, 6.2151, 6.6661



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.7903, 12.1661, 12.5009



21.9242, 20.3269, 20.5196



13.4399, 13.6089, 12.2749



3.3968, 3.4064, 3.6163



7.7912, 4.0088, 0.7102



38.6538, 19.9068, 2.7089

Inverse Universe

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



12.7903, 12.1661, 12.5009



21.9242, 20.3269, 20.5196



12.5469, 13.6230, 17.5913



3.3968, 3.4064, 3.6163



7.7912, 4.0088, 0.7102



38.6538, 19.9068, 2.7089

Previews

White Background



This preview shows how the XYZ color 12.7900, 12.1656, 12.5006 looks on a white background.

Color Contrast Check

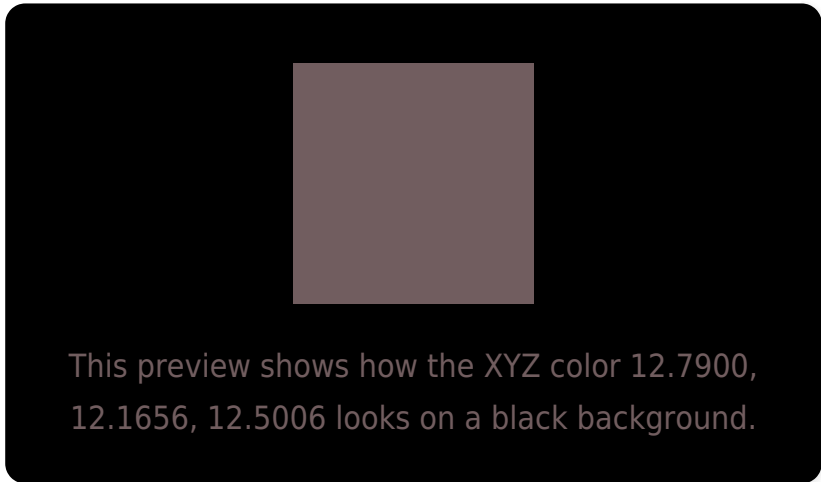
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7900, 12.1656, 12.5006

Background



This preview shows how black text looks on a background with the XYZ color 12.7900, 12.1656, 12.5006.



This preview shows how white text looks on a background with the XYZ color 12.7900, 12.1656,

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

12.7900, 12.1656, 12.5006

Protanopia

11.8278, 12.3265, 13.3111

Deuteranopia

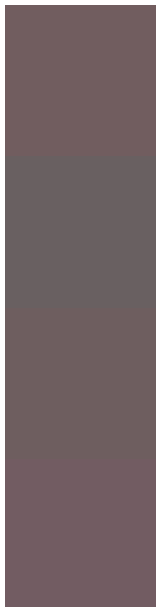
12.4644, 12.2619, 12.5363



Tritanopia

13.0187, 12.1326, 13.4600

Trichromacy



Original Color

12.7900, 12.1656, 12.5006

Protanomaly

12.1662, 12.2321, 13.0291

Deuteranomaly

12.4987, 12.1466, 12.5123

Tritanomaly

12.9712, 12.1135, 13.2098

Monochromacy



Original Color

12.7900, 12.1656, 12.5006

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1882, 12.3743, 13.3014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7900, 12.1656, 12.5006 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(113, 93, 95) looks like.

```
.text, #text, p{  
    color:rgb(113, 93, 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(113, 93, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 93, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.7900, 12.1656, 12.5006 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(113, 93, 95) }
```


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

```
.border{ border-color:rgb(113, 93, 95) }
```

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

Here you see how a box with a 4 pixel rgb(113, 93, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 93, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 93, 95);  
box-shadow:4px 4px 4px 4px rgb(113, 93,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7900, 12.1656, 12.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 93, 95) }
```

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

```
.background{ background-color: rgb(113, 93,  
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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