

Converting Colors

XYZ(12.9956, 10.7580, 18.0550)

Have a look what the booklet for
XYZ(12.9956, 10.7580, 18.0550)
contains.

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Color

**XYZ(12.9797, 10.8063,
17.9247)**

Conversions

Conversions Part 1

Format	Color
Hex	715274
RGB	113, 82, 116
RGB Percent	44%, 32%, 45%
CMY	0.5569, 0.6784, 0.5451
CMYK	0.03, 0.29, 0.00, 0.55
HSL	295°, 17%, 39%
HSV	295°, 29%, 45%
XYZ	12.9797, 10.8063, 17.9247
YIQ	95.1450, 7.5620, 17.1460

Conversions

Conversions Part 2

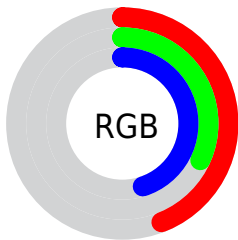
Format	Color
R_{YB}	113, 82, 116
Decimal	7426676
CIE _{Lab}	39.25, 19.32, -14.35
CIE _{LCh}	39, 24.070, 323.403
Yxy	10.8063, 0.3112, 0.2591
Android (android.graphics.Color)	4285616756 (0xFF715274)
YUV	95.1450, 10.2815, 15.6588
Hunter-Lab	32.8729, 12.9521, -9.3181

Details

The XYZ color **12.9797, 10.8063, 17.9247** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **11.5152, 15.0316, 10.2778**, and the grayscale version is **10.8872, 11.4541, 12.4736**.

A 20% lighter version of the original color is **30.8362, 27.3290, 40.6956**, and **3.7886, 2.7691, 5.8036** is the 20% darker color. If you saturate the color by 10%, you get **12.0470, 9.1351, 17.6514**, and if you desaturate by 10%, it is **14.0625, 12.7750, 18.2478**.

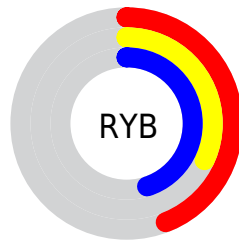
Distribution



Red (44%)

Green (32%)

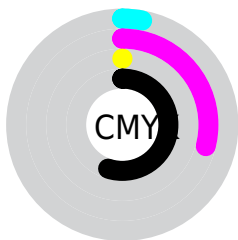
Blue (45%)



Red (44%)

Yellow (32%)

Blue (45%)

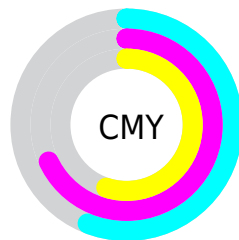


Cyan (3%)

Magenta (29%)

Yellow (0%)

Black (55%)



Cyan (56%)

Magenta (68%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9797, 10.8063, 17.9247 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 12.9797, 10.8063, 17.9247 by changing the saturation by 10% instead.

■ 12.9797, 10.8063,
17.9247

■ 12.9797, 10.8063,
17.9247

204.4278,
196.3338, 252.6681

■ 7.4915, 5.9367,
10.7271

■ 30.8689, 27.3014,
40.7212

■ 3.8204, 2.8066,
5.7718

■ 44.0007, 39.6958,
57.1571

■ 1.6010, 1.0316,
2.6403

■ 60.4109, 55.3672,
77.5095

■ 0.3931, 0.0000,
0.9131

■ 80.4651, 74.7000,
102.1970

■ 0.0000, 0.0000,
0.0000

■ 104.5285, 98.0787,
131.6380

132.9665,

125.8876, 166.2512

166.1445,
158.5112, 206.4551

■ 12.9797, 10.8063,
17.9247

■ 12.9797, 10.8063,
17.9247

■ 12.0470, 9.1351,
17.6514

■ 14.0625, 12.7750,
18.2478

■ 11.2559, 7.7452,
17.4249

■ 15.3012, 15.0537,
18.6223

■ 10.5987, 6.6207,
17.2425

■ 16.7028, 17.6557,
19.0507

■ 10.0664, 5.7440,
17.1013

■ 18.2732, 20.5933,
19.5349

■ 9.6491, 5.0951,
16.9980

■ 20.0183, 23.8780,
20.0770

■ 9.3352, 4.6508,
16.9288

■ 21.9437, 27.5210,
20.6787

■ 9.0853, 4.3324,
16.8805

■ 24.0546, 31.5326,
21.3417

■ 9.0682, 4.3107,
16.8772

■ 26.3560, 35.9232,
22.0679

■ 28.8528, 40.7023,
22.8588

Harmonies

Analogous

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



11.5584, 10.8063, 21.9961



12.9797, 10.8063, 17.9247



13.6857, 10.8063, 12.8209

Triad

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



12.9797, 10.8063, 17.9247



10.6330, 10.8063, 4.9441



7.6699, 10.8063, 15.6763

Complementary

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



12.9797, 10.8063, 17.9247



11.5152, 15.0316, 10.2778

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.



7.4776, 10.8063, 10.7711



12.9797, 10.8063, 17.9247



9.0831, 10.8063, 5.3323

Square

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



12.9797, 10.8063, 17.9247



12.2418, 10.8063, 5.9600



7.9682, 10.8063, 7.2097



8.5240, 10.8063, 20.4776

Rectangle

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



12.9797, 10.8063, 17.9247



13.6081, 10.8063, 9.8175



7.9682, 10.8063, 7.2097



7.5297, 10.8063, 13.9571

Sweetspot

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



12.9800, 10.8068, 17.9249



26.9152, 26.4957, 32.7401



9.9127, 9.6156, 17.8567



6.3555, 6.1999, 7.7907



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.



12.9800, 10.8068, 17.9249



21.7087, 17.0061, 31.1828



12.6383, 10.7154, 14.0772



3.7963, 3.7423, 4.6125



10.1688, 4.8335, 18.9396



49.1860, 23.3648, 92.2778

Inverse Universe

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



11.8599, 10.4040, 9.9781



19.4291, 16.1914, 14.7862



11.8184, 15.1221, 13.2665



3.6959, 3.7056, 3.9252



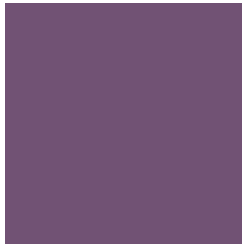
8.1421, 4.1905, 0.6903



39.5338, 20.3637, 2.6087

Previews

White Background



This preview shows how the XYZ color 12.9797, 10.8063, 17.9247 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 12.9797, 10.8063, 17.9247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

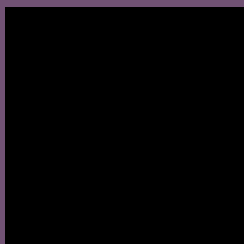
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9797, 10.8063, 17.9247

Background



This preview shows how black text looks on a background with the XYZ color 12.9797, 10.8063, 17.9247.



This preview shows how white text looks on a background with the XYZ color 12.9797, 10.8063,

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

12.9797, 10.8063, 17.9247

Protanopia

11.0585, 10.9692, 20.2733

Deuteranopia

11.0927, 10.9212, 17.4429



Tritanopia

11.7340, 10.7609, 11.8145

Trichromacy



Original Color

12.9797, 10.8063, 17.9247

Protanomaly

11.5992, 10.7684, 19.2365

Deuteranomaly

11.7298, 10.8699, 17.6995

Tritanomaly

12.1530, 10.8161, 13.7591

Monochromacy



Original Color

12.9797, 10.8063, 17.9247

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.5838, 11.1164, 14.3671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9797, 10.8063, 17.9247 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, 82, 116)` looks like.

```
.text, #text, p{  
    color:rgb(113, 82, 116)  
}
```

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, 82, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 82, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.9797, 10.8063, 17.9247 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, 82, 116) }
```


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

```
.border{ border-color:rgb(113, 82, 116) }
```

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

Here you see how a box with a 4 pixel rgb(113, 82, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 82, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 82, 116);  
box-shadow:4px 4px 4px 4px rgb(113, 82,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9797, 10.8063, 17.9247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 82, 116) }
```

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

```
.background{ background-color: rgb(113, 82,  
116) }
```

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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