

Converting Colors

XYZ(11.9808, 12.7042, 12.6001)

Have a look what the booklet for
XYZ(11.9808, 12.7042, 12.6001)
contains.

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Color

**XYZ(11.9896, 12.7073,
12.6473)**

Conversions

Conversions Part 1

Format	Color
Hex	65645F
RGB	101, 100, 95
RGB Percent	40%, 39%, 37%
CMY	0.6039, 0.6078, 0.6274
CMYK	0.00, 0.01, 0.06, 0.60
HSL	50°, 3%, 38%
HSV	50°, 6%, 40%
XYZ	11.9896, 12.7073, 12.6473
YIQ	99.7290, 2.2010, -1.3430

Conversions

Conversions Part 2

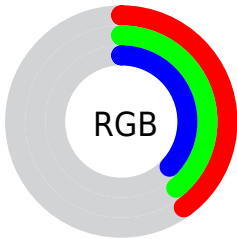
Format	Color
R _Y B	96, 101, 95
Decimal	6644831
CIE Lab	42.32, -0.61, 2.97
CIE LCh	42, 3.029, 101.697
Yxy	12.7073, 0.3211, 0.3403
Android (android.graphics.Color)	4284834911 (0xFF65645F)
YUV	99.7290, -2.3314, 1.1147
Hunter-Lab	35.6473, -2.3461, 3.9176

Details

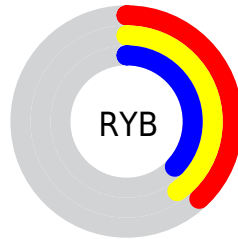
The XYZ color **11.9896, 12.7073, 12.6473** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2512, 11.7381, 13.9848**, and the grayscale version is **12.0498, 12.6773, 13.8056**.

A 20% lighter version of the original color is **29.1263, 30.8530, 31.2082**, and **3.3488, 3.5522, 3.4149** is the 20% darker color. If you saturate the color by 10%, you get **11.4006, 12.2169, 10.3309**, and if you desaturate by 10%, it is **12.6422, 13.2293, 15.2790**.

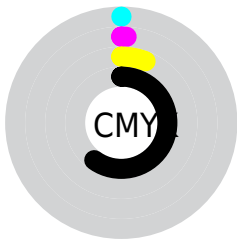
Distribution



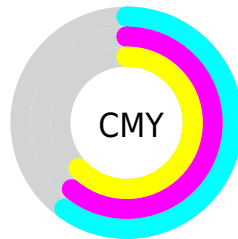
- Red (40%)
- Green (39%)
- Blue (37%)



- Red (38%)
- Yellow (40%)
- Blue (37%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (60%)



- Cyan (60%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9896, 12.7073, 12.6473 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 11.9896, 12.7073, 12.6473 by changing the saturation by 10% instead.

■ 11.9896, 12.7073,
12.6473

■ 11.9896, 12.7073,
12.6473

198.1077,
209.0332, 219.7726

■ 6.8087, 7.2273,
7.0583

■ 29.0932, 30.7769,
31.3505

■ 3.3880, 3.6047,
3.4196

■ 41.7466, 44.1353,
45.3018

■ 1.3621, 1.4550,
1.3127

■ 57.6216, 60.8887,
62.8775

■ 0.2290, 0.2567,
0.0721

■ 77.0836, 81.4214,
84.4963

■ 0.0000, 0.0000,
0.0000

100.4978,
106.1178, 110.5767

128.2297,

135.3623, 141.5371

160.6445,
169.5393, 177.7963

■ 11.9896, 12.7073,
12.6473

■ 11.9896, 12.7073,
12.6473

■ 11.4006, 12.2169,
10.3309

■ 12.6422, 13.2293,
15.2790

■ 10.8718, 11.7554,
8.3169

■ 13.3595, 13.7821,
18.2364

■ 10.4012, 11.3225,
6.5929

■ 14.1439, 14.3671,
21.5307

■ 9.9861, 10.9170,
5.1453

■ 14.9974, 14.9852,
25.1720

■ 9.6237, 10.5378,
3.9593

■ 15.9218, 15.6371,
29.1702

■ 9.3110, 10.1836,
3.0187

■ 16.9190, 16.3236,
33.5348

■ 9.0445, 9.8530,
2.3057

■ 17.9907, 17.0454,
38.2748

■ 8.8203, 9.5444,
1.8000

■ 19.1387, 17.8033,
43.3990

■ 8.6285, 9.2539,
1.4491

■ 20.3644, 18.5978,
48.9159

Harmonies

Analogous

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



12.2156, 12.7073, 12.6825



11.9896, 12.7073, 12.6473



11.7898, 12.7073, 12.9232

Triad

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



11.9896, 12.7073, 12.6473



11.7548, 12.7073, 14.6847



12.4972, 12.7073, 14.2325

Complementary

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



11.9896, 12.7073, 12.6473



11.2512, 11.7381, 13.9848

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.



12.3707, 12.7073, 14.7910



11.9896, 12.7073, 12.6473



11.9413, 12.7073, 15.0576

Square

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



11.9896, 12.7073, 12.6473



11.6554, 12.7073, 14.0912



12.1666, 12.7073, 15.0971



12.5106, 12.7073, 13.5841

Rectangle

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



11.9896, 12.7073, 12.6473



11.6975, 12.7073, 13.2516



12.1666, 12.7073, 15.0971



12.4664, 12.7073, 14.4375

Sweetspot

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



11.9900, 12.7079, 12.6476



21.0055, 22.1575, 23.4021



11.5706, 11.7959, 12.7335



5.1733, 5.4558, 5.7775



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.9900, 12.7079, 12.6476



20.4507, 21.7074, 21.1840



11.8650, 12.7865, 12.6693



3.0311, 3.2172, 3.1421



11.1893, 11.9317, 1.7133



57.8123, 61.1385, 8.7539

Inverse Universe

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



11.2512, 11.7381, 13.9848



18.9266, 19.7067, 23.9429



11.3711, 11.6656, 13.9645



2.8068, 2.9227, 3.5482



3.3145, 1.7009, 16.2979



16.8336, 7.9638, 84.8513

Previews

White Background



This preview shows how the XYZ color 11.9896, 12.7073, 12.6473 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 11.9896, 12.7073, 12.6473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

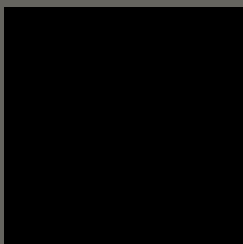
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

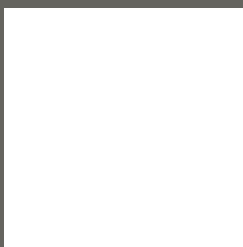
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9896, 12.7073, 12.6473

Background



This preview shows how black text looks on a background with the XYZ color 11.9896, 12.7073, 12.6473.



This preview shows how white text looks on a background with the XYZ color 11.9896, 12.7073,

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

11.9896, 12.7073, 12.6473

Protanopia

12.1209, 12.6335, 12.6261

Deuteranopia

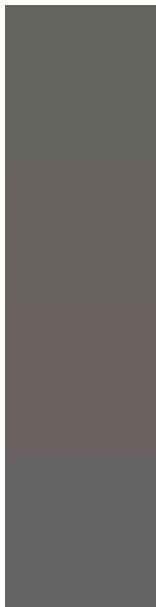
12.8497, 12.5898, 12.8191



Tritanopia

12.5627, 12.6595, 15.4171

Trichromacy



Original Color

11.9896, 12.7073, 12.6473

Protanomaly

12.0069, 12.5747, 12.6208

Deuteranomaly

12.4494, 12.5197, 12.8267

Tritanomaly

12.3396, 12.7078, 14.3728

Monochromacy



Original Color

11.9896, 12.7073, 12.6473

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0173, 12.7055, 13.3743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9896, 12.7073, 12.6473 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(101, 100, 95)` looks like.

```
.text, #text, p{  
    color:rgb(101, 100, 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(101, 100, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 100, 95) }
```

Border

The CSS property to change the border of an element to XYZ 11.9896, 12.7073, 12.6473 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(101, 100, 95) }
```


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

```
.border{ border-color:rgb(101, 100, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 100, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 100, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 100, 95);  
box-shadow:4px 4px 4px 4px rgb(101, 100,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9896, 12.7073, 12.6473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 100, 95) }
```

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

```
.background{ background-color: rgb(101,  
100, 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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