

Converting Colors

XYZ(12.0038, 12.0467, 12.9671)

Have a look what the booklet for
XYZ(12.0038, 12.0467, 12.9671)
contains.

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Color

**XYZ(11.9588, 11.9905,
12.9934)**

Conversions

Conversions Part 1

Format	Color
Hex	685F61
RGB	104, 95, 97
RGB Percent	41%, 37%, 38%
CMY	0.5922, 0.6274, 0.6196
CMYK	0.00, 0.09, 0.07, 0.59
HSL	347°, 5%, 39%
HSV	347°, 9%, 41%
XYZ	11.9588, 11.9905, 12.9934
YIQ	97.9190, 4.7220, 2.5300

Conversions

Conversions Part 2

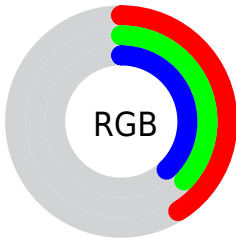
Format	Color
RYB	104, 95, 97
Decimal	6840161
CIELab	41.20, 3.99, 0.16
CIELCh	41, 3.992, 2.252
Yxy	11.9905, 0.3237, 0.3246
Android (android.graphics.Color)	4285030241 (0xFF685F61)
YUV	97.9190, -0.4531, 5.3330
Hunter-Lab	34.6273, 1.0485, 1.9914

Details

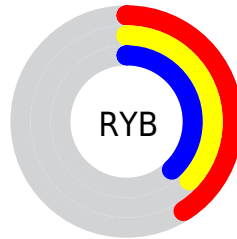
The XYZ color **11.9588, 11.9905, 12.9934** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0683, 13.2932, 14.5007**, and the grayscale version is **11.5898, 12.1934, 13.2786**.

A 20% lighter version of the original color is **28.9883, 29.3575, 32.1557**, and **3.3832, 3.3055, 3.5917** is the 20% darker color. If you saturate the color by 10%, you get **10.7257, 10.0974, 10.8152**, and if you desaturate by 10%, it is **13.3562, 14.1502, 15.4165**.

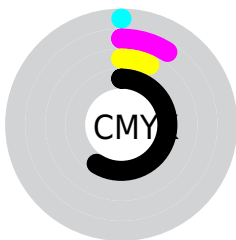
Distribution



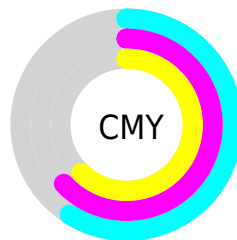
- Red (41%)
- Green (37%)
- Blue (38%)



- Red (41%)
- Yellow (37%)
- Blue (38%)



- Cyan (0%)
- Magenta (9%)
- Yellow (7%)
- Black (59%)



- Cyan (59%)
- Magenta (63%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9588, 11.9905, 12.9934 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 11.9588, 11.9905, 12.9934 by changing the saturation by 10% instead.

■ 11.9588, 11.9905,
12.9934

■ 11.9588, 11.9905,
12.9934

197.9078,
204.3424, 222.0817

■ 6.7876, 6.7372,
7.2933

■ 29.0376, 29.4778,
31.9829

■ 3.3748, 3.2983,
3.5650

■ 41.6758, 42.4806,
46.1095

■ 1.3549, 1.2894,
1.3899

■ 57.5339, 58.8354,
63.8819

■ 0.2238, 0.1330,
0.1338

■ 76.9770, 78.9265,
85.7188

■ 0.0000, 0.0000,
0.0000

100.3707,
103.1383, 112.0387

128.0801,

131.8554, 143.2601

160.4707,
165.4619, 179.8016

■ 11.9588, 11.9905,
12.9934

■ 11.9588, 11.9905,
12.9934

■ 10.7257, 10.0974,
10.8152

■ 13.3562, 14.1502,
15.4165

■ 9.6498, 8.4591,
8.8735

■ 14.9225, 16.5847,
18.0910

■ 8.7249, 7.0651,
7.1604

■ 16.6637, 19.3038,
21.0243

■ 7.9443, 5.9036,
5.6673

■ 18.5848, 22.3163,
24.2232

■ 7.3003, 4.9619,
4.3852

■ 20.6910, 25.6305,
27.6940

■ 6.7849, 4.2261,
3.3044

■ 22.9870, 29.2547,
31.4430

■ 6.3891, 3.6804,
2.4142

■ 25.4774, 33.1965,
35.4764

■ 6.1026, 3.3071,
1.7031

■ 28.1668, 37.4635,
39.8000

■ 5.8911, 3.0403,
1.1508

■ 31.0594, 42.0629,
44.4195

Harmonies

Analogous

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



11.8936, 11.9905, 13.8078



11.9588, 11.9905, 12.9934



11.8712, 11.9905, 12.2276

Triad

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



11.9588, 11.9905, 12.9934



11.1037, 11.9905, 11.7601



11.1408, 11.9905, 14.5097

Complementary

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



11.9588, 11.9905, 12.9934



12.0683, 13.2932, 14.5007

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.



10.9348, 11.9905, 13.9201



11.9588, 11.9905, 12.9934



10.9136, 11.9905, 12.3313

Square

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



11.9588, 11.9905, 12.9934



11.3749, 11.9905, 11.5345



10.8523, 11.9905, 13.1180



11.4184, 11.9905, 14.7049

Rectangle

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



11.9588, 11.9905, 12.9934



11.7389, 11.9905, 11.8416



10.8523, 11.9905, 13.1180



11.0610, 11.9905, 14.3499

Sweetspot

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



11.9591, 11.9910, 12.9937



22.3095, 23.0874, 25.1088



12.0594, 12.0033, 14.7782



5.4018, 5.5691, 6.0546



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



11.9591, 11.9910, 12.9937



20.6091, 20.4643, 22.1444



12.0866, 12.3932, 12.5821



2.8521, 2.8555, 3.0936



7.2182, 3.7002, 1.2812



37.3651, 19.1860, 5.1998

Inverse Universe

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



11.9591, 11.9910, 12.9937



20.6091, 20.4643, 22.1444



11.9306, 12.8571, 14.9498



2.8521, 2.8555, 3.0936



7.2182, 3.7002, 1.2812



37.3651, 19.1860, 5.1998

Previews

White Background



This preview shows how the XYZ color 11.9588, 11.9905, 12.9934 looks on a white background.

Color Contrast Check

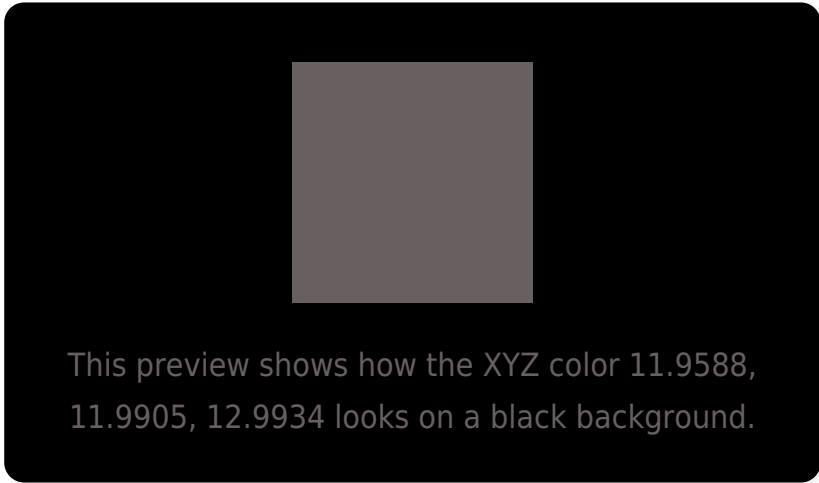
Large Text (above 18pt) WCAG AA ✓ Pass

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

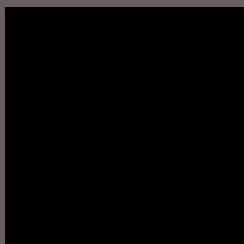
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9588, 11.9905, 12.9934

Background



This preview shows how black text looks on a background with the XYZ color 11.9588, 11.9905, 12.9934.



This preview shows how white text looks on a background with the XYZ color 11.9588, 11.9905,

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

11.9588, 11.9905, 12.9934

Protanopia

11.6249, 12.0839, 13.2750

Deuteranopia

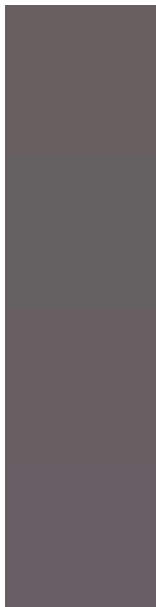
12.1042, 11.9326, 12.9745



Tritanopia

12.2267, 11.9680, 14.2360

Trichromacy



Original Color

11.9588, 11.9905, 12.9934

Protanomaly

11.7543, 12.0143, 13.2547

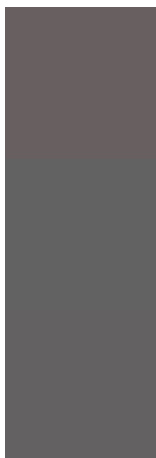
Deuteranomaly

11.9861, 11.8717, 12.9690

Tritanomaly

12.1287, 11.9288, 13.7198

Monochromacy



Original Color

11.9588, 11.9905, 12.9934

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7348, 12.1406, 13.2801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9588, 11.9905, 12.9934 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(104, 95, 97) looks like.

```
.text, #text, p{  
    color:rgb(104, 95, 97)  
}
```

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(104, 95, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 95, 97) }
```

Border

The CSS property to change the border of an element to XYZ 11.9588, 11.9905, 12.9934 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(104, 95, 97) }
```


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

```
.border{ border-color:rgb(104, 95, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 95, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 95, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 95, 97);  
box-shadow:4px 4px 4px 4px rgb(104, 95,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9588, 11.9905, 12.9934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 95, 97) }
```

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

```
.background{ background-color: rgb(104, 95,  
97) }
```

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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